

Feasibility Cluster Study for Generator Interconnection Requests (FCS-2016-003)

October 2016

Generator Interconnection Studies

1 Revision History

Date	Author	Change Description
10/31/2016	SPP	Report Issued (FCS-2016-003).

2 Executive Summary

Generator Interconnection customers have requested a Feasibility Study under the Generator Interconnection Procedures (GIP) in the Southwest Power Pool Open Access Transmission Tariff (OATT). The Interconnection Customers' requests have been clustered together for the following Feasibility Cluster Study (FCS) window which closed June 30, 2016. This Feasibility Cluster Study analyzes generation interconnection requests totaling approximately 1,226 MW which would be interconnected with the transmission systems of Nebraska Public Power District (NPPD), Basin Electric Power Cooperative (BEPC), Southwestern Public Service Company (SPS), and Tri-State Generation & Transmission (TSGT). The generation interconnection requests have various proposed in-service dates¹. The generation interconnection requests included in this Feasibility Cluster Study are listed in Appendix A by queue number, amount, requested interconnection service, area, requested interconnection point, proposed interconnection point, and the requested in-service date.

Power flow analysis has indicated that for the power flow cases studied, 1,226 MW of nameplate generation may be interconnected with transmission system reinforcements within the SPP transmission system. The need for reactive compensation in accordance with Order No. 661-A for wind farm interconnection requests will be evaluated in the Preliminary Interconnection System Impact Study (PISIS) and Definitive Interconnection System Impact Study (DISIS) based on the wind turbine manufacturer and type requested by the Customer. Dynamic stability studies performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation can be static or a portion must be dynamic (such as a SVC).

Within the study scope of the Feasibility Cluster Studies, two (2) Points of Interconnection (primary or secondary POI) assumption analyses were conducted for GEN-2016-074, GEN-2016-076, GEN-2016-079, GEN-2016-085, and GEN-2016-086.

Twelve (12) scenario assumption analyses were conducted for the current study to account for GEN-2016-074, GEN-2016-076, GEN-2016-085, and GEN-2016-086 primary and secondary POIs. **Table 1** displays the Twelve (12) Energy Resource Interconnection Service (ERIS) and Network Resources Interconnection Service (NRIS) analyses that were performed. Interconnection Requests dispatching is explained in further detail in the Model Development Section.

¹ The generation interconnection requests in-service dates will need to be deferred based on the required lead time for the Network Upgrades necessary. The Interconnection Customers that proceed to the Facilities Study will be provided a new in-service date based on the competition of the Facilities Study.

Table 1: Twelve (12) ERIIS Analysis Assumptions

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #1	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #2	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #3	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 115kV
Scenario #4	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 115kV
Scenario #5	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #6	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #7	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV

		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #8	Group 6 HVER & Group 6 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 230kV
		Scenario #9	Group 9 HVER & Group 9 NRIS
GEN-2016-076	Crossroads 345kV		
GEN-2016-077	Dixon 69kV		
GEN-2016-078	Bailey County 115kV		
GEN-2016-079	Sidney 115kV		
GEN-2016-085	Hobbs 230kV		
GEN-2016-086	Roosevelt County 230kV		
Scenario #10	Group 9 HVER & Group 9 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 230kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #11	Group 9 HVER & Group 9 NRIS	GEN-2016-074	Tap Crooked Creek – North Platte 230kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV
Scenario #12	Group 9 HVER & Group 9 NRIS	GEN-2016-074	Tap Crooked Creek – North Platte 230kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 230kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

In no way does this study guarantee operation for all periods of time. This interconnection study identifies and assigns transmission reinforcements for Energy Resource Interconnection Service (ERIS) interconnection injection constraints and Network Resource Interconnection Service (NRIS) constraints if requested by the Customer. This interconnection study does not assign transmission reinforcements for all potential transmission constraints. It should be noted that although this study analyzed many of the most probable contingencies, it is not an all-inclusive list and cannot account for every operational situation. Because of this, it is likely that the Customer(s) may be required to reduce their generation output to 0 MW, also known as curtailment, under certain system conditions to allow system operators to maintain the reliability of the transmission network.

The total estimated minimum cost assigned to Interconnection Customers for each interconnecting scenario is estimate in the following table and is also shown in Appendix E and F.

Table 2: Total Estimated Minimum Cost

Scenario Number	Total Estimated Minimum Cost
Scenario #1	\$153,600,000
Scenario #2	\$143,600,000
Scenario #3	\$143,100,000
Scenario #4	\$153,100,000
Scenario #5	\$79,000,000
Scenario #6	\$66,000,000
Scenario #7	\$68,250,000
Scenario #8	\$79,000,000
Scenario #9	\$118,000,000
Scenario #10	\$119,000,000
Scenario #11	\$105,000,000
Scenario #12	\$81,000,000

This total cost estimate is contingent upon higher queued customers paying for certain required Network Upgrades. Additionally, the total cost estimates are contingent on potential DISIS-2016-001 identified upgrades.

The one-line diagrams in Appendix D should be consulted for details of the alternate POIs. These costs do not include the Interconnection Customer Interconnection Facilities as defined by the SPP Open Access Transmission Tariff (OATT). This cost does not include the possible need for reactive compensation or additional interconnection facilities or network upgrades that may be identified through additional analyses performed in the PISIS and DISIS.

The power flow results listed in this report were obtained by analyzing the 1,226 MW of Feasibility Study Interconnection Requests in addition to prior queued Interconnection Requests up to and including DISIS-2016-001. DISIS-2016-001 study is not completed yet; however DISIS-2016-001 Interconnection Requests could be cost assigned potential Network Upgrades identified in this feasibility study analysis as non-incremental constraints as a result of FCS-2016-003 Interconnection Service addition. Those DC analysis constraints can be found in the Contingency Upgrade section. Please note DISIS-2016-001 AC contingency analysis has not been conducted and could result in additional upgrades and/or constraints. If any Interconnection Requests are withdrawn from the higher queued studies including DISIS-2016-001, then potential upgrades tentatively assigned to those Interconnection Requests may be assigned to the Interconnection Requests in this FCS-2016-003 study once these Interconnection Requests execute a Definitive Interconnection System Impact Study Agreement.

Network Constraints listed in Appendix H are located in the local area of the new generation when this generation is injected throughout the SPP footprint for the Energy Resource Interconnection Service (ERIS) Interconnection Request. Certain interconnection requests have been studied for Network Resource Interconnection Service (NRIS). Those constraints are also listed in Appendix H.

Additional Network constraints will have to be verified with a Transmission Service Request (TSR) and associated studies. With a defined source and sink in a TSR, this list of Network Constraints will be refined and expanded to account for all Network Upgrade requirements.

The required interconnection costs listed in Appendix E and F do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP OATT.

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1 Introduction

Generator Interconnection customers have requested a Feasibility Study under the Generator Interconnection Procedures (GIP) in the Southwest Power Pool Open Access Transmission Tariff (OATT). The Interconnection Customers' requests have been clustered together for the following Feasibility Cluster Study (FCS) window which closed June 20, 2016. This Feasibility Cluster Study analyzes generation interconnection requests totaling approximately 1,226 MW which would be interconnected with the transmission systems of Nebraska Public Power District (NPPD), Basin Electric Power Cooperative (BEPC), Southwestern Public Service Company (SPS), and Tri-State Generation & Transmission (TSGT). The generation interconnection requests have various proposed in-service dates². The generation interconnection requests included in this Feasibility Cluster Study are listed in Appendix A by queue number, amount, area, requested interconnection service, requested interconnection point, proposed interconnection point, and the requested in-service date.

Within the study scope of the Feasibility Cluster Studies, two (2) Points of Interconnection (primary or secondary POI) assumption analyses were conducted for GEN-2016-074, GEN-2016-076, GEN-2016-079, GEN-2016-085, and GEN-2016-086.

Twelve (12) scenario assumption analyses were conducted for the current study to account for GEN-2016-074, GEN-2016-076, GEN-2016-085, and GEN-2016-086 primary and secondary POIs. **Table 1** displays the Twelve (12) Energy Resource Interconnection Service (ERIS) and Network Resources Interconnection Service (NRIS) analyses that were performed.

The primary objective of this Feasibility Cluster Study is to identify the system constraints associated with connecting the generation to the area transmission system. The Feasibility and other subsequent Interconnection Studies are designed to identify attachment facilities, Network Upgrades and other Direct Assignment Facilities needed to accept power into the grid at each specific interconnection receipt point.

² The generator interconnection requests in-service dates will need to be deferred based on the required lead time for the Network Upgrades necessary. The Interconnection Customer's that proceed to the Facility Study will be provided a new in-service date based on the competition of the Facility Study.

2 Model Development (Study Assumptions)

2.1.1 Interconnection Requests Included in the Cluster

SPP has included all interconnection requests that submitted a Feasibility Study Agreement no later than June 30th, 2016 and were subsequently accepted by Southwest Power Pool under the terms of the Generator Interconnection Procedures (GIP) effective at the time of this study. The Interconnection Request(s) that are included in this study are listed in Appendix A.

2.1.2 Previously Queued Interconnection Requests

The previously queued Interconnection Requests included in this study are listed in Appendix B. In addition to the Base Case Upgrades, the previously queued requests and associated upgrades were assumed to be in-service and added to the Base Case models. These projects were dispatched as Energy Resources Interconnection Service (ERIS) and/or Network Resources Interconnection Service (NRIS) (in accordance with the individual Generator Interconnection Requests) with equal distribution across the SPP footprint.

2.2 Development of Base Cases

2.2.1 Power Flow

The 2015 model series Integrated Transmission Planning Near-Term models (used in the 2016 ITPNT) including the 2016 Winter Peak (16WP), 2017 Spring (17G), 2017 Summer Peak (17SP), 2020 Light Load, Summer and Winter peak (20L, 20SP, 20WP), and 2025 Summer Peak (25SP) scenario 0 cases were used for this study. After the cases were developed, each of the control areas' resources were then re-dispatched to account for the new generation requests using current dispatch orders.

2.2.2 Dynamic Stability

Dynamic stability studies performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation can be static or a portion must be dynamic (such as a SVC).

2.2.3 Short Circuit

Short circuit analysis is performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation can be static or a portion must be dynamic (such as a SVC).

2.2.4 Base Case Upgrades

The following facilities are part of the SPP Transmission Expansion Plan or the Balanced Portfolio or recently approved Priority Projects. These facilities, have an approved Notice to Construct (NTC), or are in construction stages and were assumed to be in-service at the time of dispatch and added to the base case models. The FCS-2016-003 Interconnection Customers have not been assigned cost for the below listed projects. The FCS-2016-003 Interconnection Customers Generation Facilities in-

service dates may need to be delayed until the completion of the following upgrades. If for some reason, construction on these projects is discontinued, additional restudies will be needed to determine the interconnection needs of the Feasibility Study Interconnection Customers.

- 2012 Integrated Transmission Plan (2012 ITP10) Projects
 - Woodward-Tatonga-Mathewson-Cimarron 345kV transmission line, scheduled for 2021 in-service³
 - Chisholm – Gracemont 345kV transmission line, and Chisholm 345/230kV transformer circuit #1, scheduled for 3/1/2018 in-service⁴
- 2015 Integrated Transmission Plan Near Term (2015 ITPNT) Projects
 - China Draw 115kV Reactive Power Support
 - 200Mvar Capacitive and 50Mvar Inductive Static Var Compensator (SVC)
 - Road Runner 115kV Reactive Power Support
 - 200Mvar Capacitive and 50Mvar Inductive Static Var Compensator (SVC)
 - Potash Junction – Intrepid – IMC #1 – Livingston Ridge 115kV rebuild
 - National Enrichment Plant – Targa – Cardinal 115kV circuit #1 rebuild
- Broken Bow – Ord – North Loup 115kV circuit #1⁵
- Gentleman – Thedford (Cherry County) – Holt County 345kV circuit #1 scheduled for 2018 in-service⁶
- Hoskins – Neligh East 345/115 kV Project⁷
 - Neligh East 345/115 kV substation and transformer
 - Neligh East Area 115 kV upgrades to support new station
 - Hoskins – Neligh East 345 kV circuit #1
- High Priority Incremental Loads (HPILs) Projects⁸:
 - TUCO Interchange – Yoakum – Hobbs Interchange 345/230 kV Project
 - TUCO Interchange – Yoakum – Hobbs Interchange 345 kV circuit #1 and associated terminal equipment upgrades
 - Hobbs 345/230/13 kV transformer circuit #1
 - Yoakum 345/230/13 kV transformer circuit #1
 - Battle Axe – Road Runner 115 kV circuit #1
 - Chaves County – Price – CV Pines – Capitan 115 kV circuit #1
 - China Draw – Yeso Hills 115 kV circuit #1
 - Dollarhide – Toboso Flats 115 kV circuit #1
 - Hobbs Interchange – Kiowa 345 kV circuit #1
 - Kiowa – North Loving – China Draw 345/115 kV Projects

³ SPP Notification to Construct (NTC) 200223

⁴ SPP Notification to Construct (NTC) 200240 and 200255

⁵ SPP Notification to Construct (NTC) 200294

⁶ SPP Notification to Construct (NTC) 200220

⁷ SPP Regional Reliability 2012 ITP 10 Project Per SPP-NTC-200220

⁸ Per Network Upgrades assigned in High Priority Incremental Loads (HPILs) study, Including Direct Assigned Upgrades, Projects in SPP-NTC-200256 and SPP-NTC-200283.

- Kiowa – North Loving – China Draw circuit #1 and associated terminal equipment upgrades
 - China Draw 345/115/13 kV transformer circuit #1
 - North Loving 345/115/13 kV transformer circuit #1
 - Kiowa – Road Runner 345/230/115 kV Projects
 - Kiowa 345/230 kV transformer circuit #1
 - Road Runner 345/115/13 kV transformer circuit #1
 - Livingston Ridge – Sage Brush – Lagarto – Cardinal 115 kV circuit #1
 - North Loving – South Loving 115 kV circuit #1
 - Ponderosa – Ponderosa Tap 115 kV circuit #1
 - Potash 230/115/13kV Transformer circuit #1 replacement
- Nebraska City – Mullin Creek – Sibley 345kV circuit #1 build, scheduled for 12/31/2016 in-service⁹
- Viola 345/138kV Project¹⁰
 - Clearwater – Viola 138kV circuit #1
 - Gill – Viola 138kV circuit #1
 - Sumner County – Viola 138kV circuit #1
 - Viola 345/138/13kV transformer circuit #1

2.2.5 Contingent Upgrades

The following facilities do not yet have approval. These facilities have been assigned to higher queued Interconnection Customers. These facilities have been included in the models for the FCS-2016-003 study and are assumed to be in service. This list may not be all inclusive. The FCS-2016-003 Interconnection Customers at this time do not have responsibility for these facilities but may later be assigned the cost of these facilities if higher queued customers terminate their GIA or withdraw from the interconnection queue. The FCS-2016-003 Interconnection Customer Generation Facilities in-service dates may need to be delayed until the completion of the following upgrade(s).

- Upgrades assigned to DISIS-2010-002 Interconnection Customers:
 - Twin Church – Dixon County 230 kV circuit #1, rerate (320 MVA)
 - Buckner – Spearville 345 kV, terminal equipment
- Upgrades assigned to DISIS-2011-001 Interconnection Customers:
 - Hoskins – Dixon County – Twin Church 230 kV circuit #1, conductor clearance increase
 - (NRIS only) Woodward District EHV Phase Shifting Transformer
- Upgrades assigned to DISIS-2012-002 Interconnection Customers:
 - Lake Creek – Lone Wolf 69 kV circuit #1, reset CT
- Upgrades assigned to DISIS-2013-002 Interconnection Customers:

⁹ SPP Notification to Construct (NTC) 20097 and 20098

¹⁰ SPP Notification to Construct (NTC) 200228 and 200296

- Battle Creek – County Line – Neligh East 115kV circuit #1, rebuild
- Upgrades assigned to DISIS-2014-002 Interconnection Customers:
 - Arnold – Ransom 115kV circuit #1, terminal equipment replacement
 - Tolk – Plant X 230kV circuit #1 and circuit #2, re-conductor
 - Tuco 345/230/13kV Transformer circuit #1, replacement
- Upgrades assigned to DISIS-2015-001 Interconnection Customers:
 - Altus SW – Navajo – Snyder 69kV circuit #1, rebuild
 - Anadarko – Sequoyah – Cornville Tap 138kV circuit #1, rebuild
 - Beach – GEN-2010-048 Tap circuit #1, replace terminal equipment
 - Cimarron River Tap – Kismet – Cudahy – Crooked Creek 115kV circuit #1, rebuild
 - Cornville Tap – Naples Tap – Payne 138kV circuit #1, rebuild
 - Greenburg – Shooting Star 115kV circuit #1, rebuild
 - Kress Interchange – Swisher 115kV circuit #1, replace terminal equipment
 - Nichols – Grapevine – Wheeler 230kV circuit #1, replace terminal equipment
 - Oklaunion 345kV Reactive Power Support
 - Install two (2) -130Mvar Capacitor Bank(s) at Oklaunion
 - Stateline – Sweetwater 230kV circuit #1, replace terminal equipment
 - (NRIS Only) Bushland – Potter County 230kV circuit #1, replace terminal equipment
 - (NRIS Only) Carlisle – LP-Doug 115kV circuit #1, replace terminal equipment
 - (NRIS Only) Carlisle 230/115/13kV Transformer circuit #1, replacement
 - (NRIS Only) Cox Interchange – Hale County 115kV circuit #1, rebuild
 - (NRIS Only) Crawfish Draw (TUCO 2) 230/115/13kV Transformer circuit #1, build
 - (NRIS Only) Kress Interchange – Swisher 115kV circuit #2, build
 - (NRIS Only) Potter County Interchange 345/230/13kV Transformer circuit #2, build
 - (NRIS Only) Renfrow – Renfrow 138kV circuit #1, rebuild
 - (NRIS Only) Sundown 230/115/13kV Transformer circuit #1, replacement
 - (NRIS Only) Crawfish Draw Substation 345/230kV
 - Build new 345/230kV substation along TUCO – Border 345kV and TUCO – Swisher 230kV. Tie in and Terminate TUCO 345kV, Border 345kV, TUCO 230kV, and Swisher 230kV at TUCO 2.
 - Build 345/230/13kV transformer circuit #1
 - (NRIS Only) Crawfish Draw – TUCO Interchange 230kV circuit #1, replace terminal equipment
 - (NRIS Only) TUCO Interchange – Jones 230kV circuit #1, replace terminal equipment
 - (NRIS Only) Wolfforth – Terry County 115kV circuit #1, replace terminal equipment
 - (NRIS Only) Wolfforth – 230/115/13kV Transformer circuit #1, replacement
- Upgrades assigned to DISIS-2015-002 Interconnection Customers:
 - Beaver County 345kV Reactive Power Support, install +100 Mvar SVC at Beaver County Substation
 - Border-Chisholm 345kV CKT 2, build approximately 25 miles of second circuit 345kV from Border-Chisholm
 - Border 345kV Reactive Power Support, install (6) steps of 50Mvar capacitor banks and +300Mvar SVC at Boarder Substation
 - Carlisle 115/69/13kV Transformer CKT 1, replace existing Carlisle 115/69/13kV Transformer circuit #1

- Chisholm Substation Upgrade 345kV, expand planned Chisholm Substation to tap and terminate Woodward-Boarder 345kV into the Chisholm Substation
- Cleo Corner-Cleo Plant Tap 138kV CKT 1, replace terminal equipment to at least 1200 amps
- Cleveland-Cleveland 138kV CKT Z1, AECI Affected System Study is Required
- Cleveland-Silver City 138kV CKT 1, AECI Affected System Study is Required
- Cornville Tap-Naples Tap 138kV CKT 1, rebuild approximately 11 miles of 138kV from Cornville Tap to Naples Tap
- Crawfish Draw-Border 345kV CKT 2, build approximately 194 miles of second circuit 345kV from TUCO 2-Border
- Daglum-Dickinson 230kV CKT 1, build a new 230kV line from Daglum-Dickinson
- Dickinson 230/115/13.8kV CKT 2, build new 230/115/13.8kV transformer circuit #2 at Dickinson
- Emporia Energy Center-Swissvale 345kV CKT 1, replace terminal equipment to at least 1600 amps
- Gavins Point-Yankton Junction 115kV CKT 1, rebuild approximately 5 miles of 115kV from Gavins to Yankton
- GEN-2014-074 Tap Dynamic Reactive Power Support, 34.5kV STATCOM at GEN-2014-074
- GEN-2015-063 Tap-Mathewson 345kV CKT 1, replace terminal equipment to achieve conductor limit
- GEN-2015-095 Tap-Rose Valley 138kV CKT 1, rebuild approximately 14 miles of 138kV from Rose Valley to GEN-2015-095 Tap
- Grapevine-Nichols 230kV CKT 1, replace terminal equipment
- Grapevine-Wheeler 230kV CKT 1, replace terminal equipment
- Hanlon 69kV Reactive Support, install (1) 10Mvar Capacitor Bank at Hanlon 69kV
- MISO Affected System Study
- Naples Tap-Payne 138kV CKT 1, rebuild approximately 8 miles of 138kV from Naples Tap to Payne
- Noel SW-Rose Valley 138kV CKT 1, rebuild approximately 7 miles of 138kV from Noel SW to Rose Valley
- Norge-Southwest Station 138kV CKT 1, rebuild approximately 23 miles of 138kV from Norge to Southwest Station
- Northwest 138kV Circuit Breaker, replace Northwest 138kV circuit breaker for short circuit requirements
- Oklaunion 345kV Reactive Power Support Incremental Upgrade, install +/- 100Mvar SVC at Oklaunion
- Albion-Petersburg-North Petersburg 115kV CKT 1, reconductor 115kV lines and replace all terminal equipment for at least 193 MVA rate
- Swissvale-West Gardner 345kV CKT 1, replace terminal equipment to at least 1600 amps
- Wheeler-Sweetwater 230kV CKT 1, rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion
- Woodward 345/138/13kV Transformer CKT 1, replace Woodward 345/138/13kV Transformer circuit #1

- Woodward 345/138/13kV Transformer CKT 2, replace Woodward 345/138/13kV Transformer circuit #2
- Upgrades assigned to DISIS-2016-001 Interconnection Customers:
 - DISIS-2016-001 constraints were identified and network upgrades required for mitigation of constraints will be included in the DISIS-2016-001 study posting report
 - Constraints with potential FCS-2016-01 impact include:

2.2.5.1 Contingent DISIS-2016-001 Upgrades

The following facilities do not yet have approval but are identified as requiring non-incremental mitigations by the addition of the FCS-2016-003 addition. Mitigation for these facilities can potentially be assigned to DISIS-2016-001 Interconnection Customers. These facilities upgrades were considered for the FCS-2016-003 study and are assumed to be in service. This list may not be all inclusive. The FCS-2016-003 Interconnection Customers at this time do not have responsibility for these facilities but may later be assigned the cost of these facilities if higher queued customers terminate their GIA or withdraw from the interconnection queue. The FCS-2016-003 Interconnection Customer Generation Facilities in-service dates may need to be delayed until the completion of the following upgrade(s) required for mitigation of constraints listed in Tables 3, 4, 29, 30.

2.2.6 Potential Upgrades Not in the Base Cases

Any potential upgrade(s) that do not have a Notification to Construct (NTC) have not been included in the base case(s). These upgrade(s) include any identified in the SPP Extra-High Voltage (EHV) overlay plan, or any other SPP planning study other than the upgrades listed above in the previous section.

2.2.7 Regional Groupings

The Interconnection Request(s) listed in Appendix A are grouped together into six (6) active regional groups based on geographical and electrical impacts. These groupings are shown in Appendix C.

2.3 Development of Analysis Cases

2.3.1 Power Flow

For Variable Energy Resources (VER) (solar/wind) in each power flow case, Energy Resource Interconnection Service (ERIS), is evaluated for the generating plants within a geographical area of the interconnection request(s) for the VERs dispatched at 100% nameplate of maximum generation. The VERs in the remote areas are dispatched at 20% nameplate of maximum generation. These projects are dispatched across the SPP footprint using load factor ratios.

Peaking units are not dispatched in the 2017 spring, or in the “High VER” summer and winter peaks. To study peaking units’ impacts, the 2016 winter peak, 2017 summer peak, 2020 summer and winter peaks, and 2025 summer peak models are developed with peaking units dispatched at 100%

of the nameplate rating and VERs dispatched at 20% of the nameplate rating. Each interconnection request is also modeled separately at 100% nameplate for certain analyses.

All generators (VER and peaking) that requested Network Resource Interconnection Service (NRIS) are dispatched in an additional analysis into the interconnecting Transmission Owner's (T.O.) area at 100% nameplate with Energy Resource Interconnection Service (ERIS) only requests at 80% nameplate. This method allows for identification of network constraints that are common between regional groupings to have affecting requests share the mitigating upgrade costs throughout the cluster.

2.3.2 Dynamic Stability

Dynamic stability studies performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation can be static or a portion must be dynamic (such as a SVC).

2.3.3 Short Circuit

Short circuit analysis is performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation can be static or a portion must be dynamic (such as a SVC).

3 Identification of Network Constraints

3.1.1 Thermal Overloads

Network constraints are found by using PSS/E MUST First Contingency Incremental Transfer Capability (FCITC) analysis on the entire cluster grouping dispatched at the various levels previously mentioned.

For Energy Resource Interconnection Service (ERIS), thermal overloads are determined for system intact (n-0) (greater than 100% of Rate A - normal) and for contingency (n-1) (greater than 100% of Rate B – emergency) conditions.

The overloads are then screened to determine which of generator interconnection requests have at least

- 3% Distribution Factor (DF) for system intact conditions (n-0),
- 20% DF upon outage based conditions (n-1),
- or 3% DF on contingent elements that resulted in a non-converged solution.

Appropriate transmission support is then determined to mitigate the constraints.

Interconnection Requests that requested Network Resource Interconnection Service (NRIS) are also studied in a separate NRIS analysis to determine if any constraint measured greater than or equal to a 3% DF. If so, these constraints are also considered for transmission reinforcement under NRIS.

3.1.2 Voltage

Steady State Voltage analysis is performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation. Monitored facilities and transmission reinforcement criteria for this analysis will be provided during the PISIS and/or DISIS report

3.1.3 Dynamic Stability

Dynamic stability studies performed as part of the PISIS and DISIS Cluster Studies will provide additional guidance as to whether required reactive compensation can be static or a portion must be dynamic (such as a SVC). During the PISIS and/or DISIS Stability issues are considered for transmission reinforcement under ERIS. Generators that fail to meet low voltage ride-through requirements (FERC Order #661-A) or SPP's stability criteria for damping or dynamic voltage recovery are assigned upgrades such that these requirements can be met.

3.1.4 Upgrades Assigned

Thermal overloads that require transmission support to mitigate are discussed in Section 8 and listed in Appendix G. All of these upgrades are cost assigned in Appendix E and Appendix F.

Other network constraints not requiring transmission reinforcements are shown in Appendix H. With a defined source and sink in a Transmission Service Request, this list of network constraints can be refined and expanded to account for all Network Upgrade requirements for firm transmission service. Additional constraints identified by multi-element contingencies are listed in Appendix I.

In no way does the list of constraints in Appendix G identify all potential constraints that guarantee operation for all periods of time. It should be noted that although this study analyzed many of the most probable contingencies, it is not an all-inclusive list and cannot account for every operational situation. Because of this, it is likely that the Customer(s) may be required to reduce their generation output to 0 MW, also known as curtailment, under certain system conditions to allow system operators to maintain the reliability of the transmission network.

3.1.5 Identification of Electrically Isolated Groups and Requests

From the FCITC analysis, it may be determined that some of the regional groups had no common impacts with the other groups. However, this determination may change as the Interconnection Customers depending upon the time at which the interconnection customers enter either the Preliminary Interconnection System Impact Study (PISIS) an/or the Definitive Interconnection System Impact Study (DISIS).

4 Determination of Cost Allocated Network Upgrades

Cost Allocated Network Upgrades of Variable Energy Resources (VER) (solar/wind) generation interconnection requests are determined using the 2017 spring model. Cost Allocated Network Upgrades of peaking units is determined using the 2020 summer peak model. A PSS/E and MUST sensitivity analysis is performed to determine the Distribution Factors (DF), a distribution factor with no contingency that each generation interconnection request has on each new upgrade. The impact each generation interconnection request has on each upgrade project is weighted by the size of each request. Finally the costs due by each request for a particular project are then determined by allocating the portion of each request's impact over the impact of all affecting requests.

For example, assume that there are three Generation Interconnection requests, X, Y, and Z that are responsible for the costs of Upgrade Project '1'. Given that their respective PTDF for the project have been determined, the cost allocation for Generation Interconnection request 'X' for Upgrade Project 1 is found by the following set of steps and formulas:

- Determine an Impact Factor on a given project for all responsible GI requests:

$$\text{Request X Impact Factor on Upgrade Project 1} = \text{DF}(\%)(X) * \text{MW}(X) = X1$$

$$\text{Request Y Impact Factor on Upgrade Project 1} = \text{DF}(\%)(Y) * \text{MW}(Y) = Y1$$

$$\text{Request Z Impact Factor on Upgrade Project 1} = \text{DF}(\%)(Z) * \text{MW}(Z) = Z1$$

- Determine each request's Allocation of Cost for that particular project:

$$\text{Request X's Project 1 Cost Allocation (\$)} = \frac{\text{Network Upgrade Project 1 Cost(\$)} * X1}{X1 + Y1 + Z1}$$

- Repeat previous for each responsible GI request for each Project

The cost allocation of each needed Network Upgrade is determined by the size of each request and its impact on the given project. This allows for the most efficient and reasonable mechanism for sharing the costs of upgrades.

4.1.1 Credits/Compensation for Amounts Advanced for Network Upgrades

Interconnection Customer shall be entitled to either credits or potentially Long Term Congestion Rights (LTCR), otherwise known as compensation, in accordance with Attachment Z2 of the SPP Tariff for any Network Upgrades, including any tax gross-up or any other tax-related payments associated with the Network Upgrades, and not refunded to the Interconnection Customer.

5 Required Interconnection Facilities

The generator Interconnection Customers requested interconnection with the transmission systems of Nebraska Public Power District (NPPD), Basin Electric Power Cooperative (BEPC), Southwestern Public Service Company (SPS), and Tri-State Generation & Transmission (TSGT).

The requirement to interconnect the 1,226 MW of generation into the existing and proposed transmission systems in the affected areas of the SPP transmission footprint consist of the necessary cost allocated shared facilities listed in Appendices E and F. The total estimated minimum cost for interconnecting the FCS-2016-003 Interconnection Customers is estimated in **Table 2** and is also shown in Appendix E and F. This total cost estimate is contingent upon higher queued customers paying for certain required network upgrades.

Appendices E and F also include Interconnection Facilities specific to each generation interconnection request. The one-line diagrams in Appendix D should be consulted for details of the alternate POIs. Separate cost allocations are included in this report for the alternate Points of Interconnection.

For an explanation of how required Network Upgrades and Interconnection Facilities were determined, refer to the section on “Identification of Network Constraints” above.

A preliminary one-line drawing for each generation interconnection request is listed in Appendix D.

5.1.1 Facilities Analysis

Not applicable to the Feasibility Cluster Study (FCS) and will be conducted during the DISIS.

5.1.2 Environmental Review

For Interconnection Requests that result in an interconnection to, or modification to, the transmission facilities of the Western-UGP, a National Environmental Policy Act (NEPA) Environmental Review will be required. The Interconnection Customer will be required to execute and Environmental Review Agreement per Section 8.6.1 of the GIP.

6 Affected Systems Coordination

Impacts to affected systems will be coordinated with the Affected System operators if the Interconnection Request(s) enter into the Definitive Interconnection System Impact Study Queue. Constraints identified to affected system during this analysis are in Appendix H-AS.

7 Power Flow Analysis

7.1.1 Power Flow Analysis Methodology

The Direct Current (DC) FCITC function of PSS® MUST was used to simulate single element and special (i.e., breaker-to-breaker, multi-element, etc.) contingencies in portions or all of the modeled control areas of SPP, as well as, other control areas external to SPP and the resulting scenarios analyzed. This satisfies the “more probable” contingency testing criteria mandated by NERC and the SPP criteria.

7.1.2 Power Flow Analysis

A power flow analysis is conducted for each Interconnection Customer’s facility using modified versions of the 2016 winter, 2017 spring and summer, 2020 light load, summer and winter, and 2025 summer peaks. The output of the Interconnection Customer’s facility is offset in each model by a reduction in output of existing online SPP generation. This method allows the request to be studied as an Energy Resource Interconnection Service request (ERIS). Certain requests that are also pursuing Network Resource Interconnection Service (NRIS) have an additional analysis conducted for displacing resources in the interconnecting Transmission Owner’s balancing area.

This analysis was conducted assuming that previous queued requests in the immediate area of these interconnect requests were in-service. The analysis of the each Customer’s project indicates that criteria violations will occur on the SPP transmission system under steady state and contingency conditions in the peak seasons.

The need for reactive compensation will be determined during the Interconnection System Impact Study. The need for reactive compensation will be based on the Interconnection Customer’s choice of wind turbine make and manufacturer. Dynamic Stability studies performed as part of the System Impact Cluster Study will provide additional guidance as to whether the reactive compensation can be static or a portion must be dynamic (such as a SVC or STATCOM). It is possible that an SVC or STATCOM device will be required at the Customer facility because of FERC Order 661-A Low Voltage Ride-Through Provisions (LVRT) which went into effect January 1, 2006. FERC Order 661-A orders that wind farms stay on-line for 3-phase faults at the point of interconnection even if that requires the installation of a SVC or STATCOM device.

8 Power Flow Results

8.1 Cluster Group 1 (Woodward Area)

In addition to the 7,644.3 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.2 Cluster Group 2 (Hitchland Area)

In addition to the 4,421.8 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.3 Cluster Group 3 (Spearville Area)

In addition to the 4,073.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.4 Cluster Group 4 (Northwest Kansas Area)

In addition to the 2,206.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.5 Cluster Group 6 (South Texas Panhandle/New Mexico) Area

In addition to the 7,530.07 MW of previously queued generation in the area, 866.0 MW of new interconnection service was studied. Eight (8) Point of Interconnection Scenarios were analyzed for Group 9. ERIS and NRIS constraints that could be possibly mitigated by higher queued, DISIS-2016-001, generation are listed within **Table 3** and **4**. These constraints can be reviewed in detail in Appendix G. Higher queued constraints will require transmission reinforcements at the possible cost responsibility of higher queued projects. Should these study cost assignments change during the completion of the DISIS-2016-001, then the cost responsibilities could be assigned to FCS-2016-003 requests should they proceed into the next subsequent PISIS or DISIS. In this DC analysis potential system stability limits such potential AC voltage collapse for N-1 outages of SPS to SPP tie lines are not mitigated, however they could be required to be mitigated if the requests proceed to an AC system study.

Table 3: Higher Queued Group 6 ERIS Transmission Reinforcement Requiring Constraints

ERIS Constraints		
MONITORED ELEMENT	RATE (MVA)	CONTINGENCY
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1194.9	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
CIMARRON - MINCO 345KV CKT 1	1191.5	System Intact
CIMARRON - MINCO 345KV CKT 1	1191.5	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1
CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.5	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
DEAF SMITH COUNTY INTERCHANGE - Panda Energy Substation Hereford 115KV CKT 1	105.5	System Intact
G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	359.2	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	System Intact
G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	CIMARRON - MINCO 345KV CKT 1
G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	System Intact
G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	CIMARRON - MINCO 345KV CKT 1
G15079_T 230.00 - HOBBS INTERCHANGE 230KV CKT 1	360.4	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	System Intact

GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
GRACEMONT - MINCO 345KV CKT 1	1186.9	System Intact
GRACEMONT - MINCO 345KV CKT 1	1186.9	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	System Intact
HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	System Intact
KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	System Intact
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	114.058	System Intact
OASIS INTERCHANGE - Roosevelt County Interchange SWITCH #4K33 230KV CKT 1	359	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	System Intact
PITTSBURG - SEMINOLE 345KV CKT 1	705.1	System Intact
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	170.9	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	172.9	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation	Potential DISIS-2016-001 Network Upgrade(s)

Table 4: Higher Queued Group 6 NRIS Transmission Reinforcement Requiring Constraints

NRIS Constraints		
MONITORED ELEMENT	RATE (MVA)	CONTINGENCY
ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	CIMARRON - MINCO 345KV CKT 1
BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	P12:345:SPS:J15.1.XRDS.TOLK
CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	P12:345:SPS:J15.1.XRDS.TOLK
CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	P12:345:SPS:J15.1.XRDS.TOLK
CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	System Intact
CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	P12:345:AEPW:O.K.U.-7:L.E.S.-7
CIMARRON - MINCO 345KV CKT 1	1187.1	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
CIMARRON - NORTHWEST 345KV CKT 1	955.2	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	P12:345:SPS:J15.1.XRDS.TOLK
CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	P12:345:SPS:J15.1.XRDS.TOLK
DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	P12:345:SPS:J15.1.XRDS.TOLK
DEAF SMITH COUNTY INTERCHANGE - Panda Energy Substation Hereford 115KV CKT 1	95.8	P12:230:SPS:K11.1.BSHLND.DFSMTH
DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	P12:345:SPS:J15.1.XRDS.TOLK
DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	P12:345:SPS:J15.1.XRDS.TOLK
DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	P12:345:SPS:J15.1.XRDS.TOLK
ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	System Intact
ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
FPL SWITCH - WOODWARD 138KV CKT 1	150.4	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	System Intact
G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	CIMARRON - MINCO 345KV CKT 1
G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	System Intact
G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	CIMARRON - MINCO 345KV CKT 1

G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
G15039_T 230.00 - PLANT X STATION 230KV CKT 1	350.4	P12:345:SPS:J15.1.XRDS.TOLK
GRACEMONT - MINCO 345KV CKT 1	1180.4	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	System Intact
GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	P12:345:SPS:J06.1.POTTER.HITCH
HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	P12:345:SPS:J06.1.POTTER.HITCH
LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1\	350.6	P12:345:SPS:J06.1.POTTER.HITCH
PITTSBURG - SEMINOLE 345KV CKT 1	712.2	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	557.2	P12:345:SPS:J15.1.XRDS.TOLK
POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	P12:345:SPS:J15.1.XRDS.TOLK
PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	P12:115:SPS:T08.2.SPRMN.PRNGLE
PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	P12:115:SPS:T06.1.SPRMN.PRNGLE
PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	P12:345:SPS:J06.1.POTTER.HITCH
STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	P12:345:SPS:J04.1.FINN.HOLC(534)
WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	P12:345:SPS:J04.1.FINN.HOLC(534)
	Mitigation	Potential DISIS-2016-001 Network Upgrade(s) and/or Mitigation

Point of Interconnections studied in Scenario #1 are displayed in the following table:

Table 5: Scenario 1 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #1	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #1 ERIIS analyses observed the need to replace terminal equipment for Crossroads – Tolk 345kV, Oasis Interchange – San Juan 230kV, build additional bus tie breakers for Tolk – Tolk West 230kV and Eddy – Eddy North 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 6: Scenario 1 Group 6 ERIE Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	108.1471	System Intact
	Mitigation		Replace terminal equipment
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	147.3888	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build second Eddy County – North Eddy County 230kv bus tie breaker
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Eddy County 345/230/13kv Transformer
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	112.0923	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Replace terminal equipment
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	148.7695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kv Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	131.014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kv bus tie breaker

After POI Scenario #1 ERIE constraints are mitigated by means of transmission reinforcements, POI Scenario #1 NRIS will require 80 miles of new 345kv from Crossroads – Yoakum 345kv, advancement of Hobbs – Yoakum – TUCO 345kv project per SPP-NTC-200309, and rebuild or re-conductor of Hobbs Interchange – Millen – Hobbs Northeastern 115kv circuit #1 to mitigation various N-1 contingency overloads.

Table 7: Scenario 1 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	110.4696	System Intact
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	129.9525	P12:345:SPS:J15.1.XRDS.TOLK
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	559.5	132.8159	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	109.8224	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	148.6621	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	553.2	140.8914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		ERIS mitigations
CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	105.1707	P12:345:SPS:J15.1.XRDS.TOLK
CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	134.6781	P12:345:SPS:J15.1.XRDS.TOLK P12:115:SPS:T94.1.MADDOX.HOBBG
CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157	131.5114	
LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	103.9461	P12:345:SPS:J15.1.XRDS.TOLK
SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	110.5067	P12:345:SPS:J15.1.XRDS.TOLK
COCHRAN INTERCHANGE - G15-014T 115.00 115KV CKT 1	158.8	106.7546	P12:230:SPS:K33.1.AMOCO.YOAKUM
LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.6	102.9227	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON	173.3	113.406	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1

INTERCHANGE 115KV CKT 1			
JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	118.8552	P12:345:SPS:J15.1.XRDS.TOLK
LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	123.9362	P12:345:SPS:J15.1.XRDS.TOLK
SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	126.0993	P12:345:SPS:J15.1.XRDS.TOLK
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.4	113.2861	P12:345:SPS:J15.1.XRDS.TOLK
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	138.5537	P12:345:SPS:J15.1.XRDS.TOLK
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	413.1	132.7452	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.7	119.9969	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	143.705	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Mitigation: Build approximately eighty (80) miles of 345kV from Crossroads to Yoakum 345kV. Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309
HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	114.2102	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	103.4674	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
	Mitigation		Rebuild approximately 12 miles of 115kV from Hobbs – Millen – Northeast 115kV

Point of Interconnections studied in Scenario #2 are displayed in the following table:

Table 8: Scenario 2 Group 6 ERIIS Power Flow Analysis

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #2	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #2 ERIIS analyses observed the need to replace terminal equipment for Crossroads – Tolk 345kV, Oasis Interchange – San Juan 230kV, build additional bus tie breakers for Tolk – Tolk West 230kV and Eddy – Eddy North 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 9: Scenario 2 Group 1 ERIIS Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	108.1681	System Intact
	Mitigation		Replace terminal equipment
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	147.2456	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build second Eddy County – North Eddy County 230kV bus tie breaker

EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Eddy County 345/230/13kV Transformer
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	112.3132	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Replace terminal equipment
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	148.7998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kV Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	578	101.0145	System Intact
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	131.0267	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kV bus tie breaker

After POI Scenario #2 Eris constraints are mitigated by means of transmission reinforcements, POI Scenario #2 NRIS will require 80 miles of new 345kV from Crossroads – Yoakum 345kV and advancement of Hobbs – Yoakum – TUCO 345kV project per SPP-NTC-200309 to mitigation various N-1 contingency overloads.

Table 10: Scenario 2 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	104.5616	System Intact
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	132.4431	P12:345:SPS:J15.1.XRDS.TOLK
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	559.5	132.8142	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	110.0499	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	140.9219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		ERIS mitigations
CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	105.0145	P12:345:SPS:J15.1.XRDS.TOLK
CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	134.7479	P12:345:SPS:J15.1.XRDS.TOLK
LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	103.804	P12:345:SPS:J15.1.XRDS.TOLK
SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	110.3649	P12:345:SPS:J15.1.XRDS.TOLK
LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	104.446	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	105.3222	System Intact
JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	114.4646	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	123.7908	P12:345:SPS:J15.1.XRDS.TOLK
SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	126.0353	P12:345:SPS:J15.1.XRDS.TOLK
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	113.3534	P12:345:SPS:J15.1.XRDS.TOLK
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	138.3034	P12:345:SPS:J15.1.XRDS.TOLK
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	130.4052	P12:345:SPS:J15.1.XRDS.TOLK
G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	106.8807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	145.7963	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build approximately eighty (80) miles of 345kV from Crossroads to Yoakum 345kV. Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309

Point of Interconnections studied in Scenario #3 are displayed in the following table:

Table 11: Scenario 3 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #3	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 115kV

Point of Interconnection Scenario #3 ERIIS analyses observed the need to replace terminal equipment for Crossroads – Tolk 345kV, Oasis Interchange – San Juan 230kV, build additional bus tie breakers for Tolk – Tolk West 230kV and Eddy – Eddy North 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 12: Scenario 3 Group 6 ERIIS Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	108.2192	System Intact
Mitigation			Replace terminal equipment
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	147.2789	P12:345:SPS:J15.1.XRDS.TOLK
Mitigation			Build second Eddy County – North Eddy County 230kV bus tie breaker
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
Mitigation			Build second Eddy County 345/230/13kV Transformer
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	112.1989	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
Mitigation			Replace terminal equipment
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	148.2425	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
Mitigation			Build second Tolk 345/230/13kV Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	578	101.0145	System Intact
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	130.8501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
Mitigation			Build second Tolk Tap – Tolk West 230kV bus tie breaker

After POI Scenario #3 ERIIS constraints are mitigated by means of transmission reinforcements, POI Scenario #3 NRIS will require 80 miles of new 345kV from Crossroads – Yoakum 345kV and advancement of Hobbs – Yoakum – TUCO 345kV project per SPP-NTC-200309 to mitigation various N-1 contingency overloads.

Table 13: Scenario 3 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY

CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	104.6074	System Intact
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	132.4765	P12:345:SPS:J15.1.XRDS.TOLK
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	559.5	132.8142	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	109.9295	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	140.3675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
Mitigation		ERIS mitigations	
CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	104.8703	P12:345:SPS:J15.1.XRDS.TOLK
CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	142.9018	P12:345:SPS:J15.1.XRDS.TOLK
LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	103.6728	P12:345:SPS:J15.1.XRDS.TOLK
SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	110.2340	P12:345:SPS:J15.1.XRDS.TOLK
LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	104.4572	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	111.6578	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	117.0862	P12:345:SPS:J15.1.XRDS.TOLK
LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	123.7409	P12:345:SPS:J15.1.XRDS.TOLK
SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	125.9591	P12:345:SPS:J15.1.XRDS.TOLK
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	139.3019	P12:345:SPS:J15.1.XRDS.TOLK
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	138.2466	P12:345:SPS:J15.1.XRDS.TOLK
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	130.3347	P12:345:SPS:J15.1.XRDS.TOLK
G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	107.0849	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	145.8632	P12:345:SPS:J15.1.XRDS.TOLK
Mitigation		Build approximately eighty (80) miles of 345kV from Crossroads to Yoakum 345kV. Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309	

Point of Interconnections studied in Scenario #4 are displayed in the following table:

Table 14: Scenario 4 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #4	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 115kV

Point of Interconnection Scenario #4 ERIS analyses observed the need to replace terminal equipment for Crossroads – Tolk 345kV, Oasis Interchange – San Juan 230kV, build additional bus tie breakers for Tolk – Tolk West 230kV and Eddy – Eddy North 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 15: Scenario 4 Group 6 ERIS Power Flow Analysis

ERIS Constraints

MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	108.1982	System Intact
	Mitigation		Replace terminal equipment
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	147.4222	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build second Eddy County – North Eddy County 230kv bus tie breaker
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	147.9813	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build second Eddy County 345/230/13kv Transformer
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	111.9779	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Replace terminal equipment
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	148.2122	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kv Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	130.8374	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kv bus tie breaker

After POI Scenario #4 ERIS constraints are mitigated by means of transmission reinforcements, POI Scenario #4 NRIS will require 80 miles of new 345kv from Crossroads – Yoakum 345kv, advancement of Hobbs – Yoakum – TUCO 345kv project per SPP-NTC-200309, and rebuild or re-conductor of Hobbs Interchange – Millen – Hobbs Northeastern 115kv circuit #1 to mitigation various N-1 contingency overloads.

Table 16: Scenario 4 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	104.4661	System Intact
EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	132.6199	P12:345:SPS:J15.1.XRDS.TOLK
EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	559.5	132.8142	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	109.7020	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	140.3370	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		ERIS mitigations
CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	105.0265	P12:345:SPS:J15.1.XRDS.TOLK
CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	142.842	P12:345:SPS:J15.1.XRDS.TOLK
CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157	131.5114	P12:115:SPS:T94.1.MADDOX.HOBBG
LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	103.8149	P12:345:SPS:J15.1.XRDS.TOLK
SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	110.3758	P12:345:SPS:J15.1.XRDS.TOLK
LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	105.5555	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	113.4006	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	118.8904	P12:345:SPS:J15.1.XRDS.TOLK
LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	123.7789	P12:345:SPS:J15.1.XRDS.TOLK
SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	125.9321	P12:345:SPS:J15.1.XRDS.TOLK
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	139.6105	P12:345:SPS:J15.1.XRDS.TOLK
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	138.4063	P12:345:SPS:J15.1.XRDS.TOLK
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	130.2688	P12:345:SPS:J15.1.XRDS.TOLK

G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	107.0876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	143.7746	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build approximately eighty (80) miles of 345kV from Crossroads to Yoakum 345kV. Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309
HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	114.2102	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	103.4674	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
	Mitigation		Replace terminal equipment

Point of Interconnections studied in Scenario #5 are displayed in the following table:

Table 17: Scenario 5 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #5	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #5 ERS analyses observed the need to build additional bus tie breakers for Tolk – Tolk West 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 18: Scenario 5 Group 6 ERS Power Flow Analysis

MONITORED ELEMENT	ERIS Constraints		CONTINGENCY
	RATE (MVA)	TC% LOADING (%)	
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	105.9845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kV Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	104.9936	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kV bus tie breaker

After POI Scenario #5 ERS constraints are mitigated by means of transmission reinforcements, POI Scenario #5 NRS will require advancement of Hobbs – Yoakum – TUCO 345kV project per SPP-NTC-200309, second 115kV from Cunningham – Maddox, build of second 115kV Lea County West – Lovington, rebuild or reconductor of Wolfforth – Yuma, rebuild or reconductor of Hobbs – Millen – Northeast 115kV, and terminal equipment replacement of Terry County – Wolfforth 115kV to mitigate overloads during contingency.

Table 19: Scenario 5 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.0	130.9139	P12:115:SPS:T94.1.MADDOX.HOBBG
	Mitigation		Build second 115kV circuit from Cunningham - Maddox
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	111.8472	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
	Mitigation		Second Lea County West – Lovington 115kV CKT 2
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	105.6265	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Uprate terminal equipment per SPP-NTC-200395
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	113.6467	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Rebuild approximately 5 miles of 115kV from Wolfforth – Yuma
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	102.8678	P12:345:SPS:J15.1.XRDS.TOLK
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	101.2125	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309
HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	113.0884	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	102.1527	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
	Mitigation		Rebuild approximately 12 miles of 115kV from Hobbs – Millen – Northeast 115kV

Point of Interconnections studied in Scenario #6 are displayed in the following table:

Table 20: Scenario 6 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #6	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #6 ERS analyses observed the need to build additional bus tie breakers for Tolk – Tolk West 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 21: Scenario 6 Group 6 ERS Power Flow Analysis

ERS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY

TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	106.0148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kV Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	105.0063	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kV bus tie breaker

After POI Scenario #6 ERS constraints are mitigated by means of transmission reinforcements, POI Scenario #6 NRIS will require advancement of Hobbs – Yoakum – TUCO 345kV project per SPP-NTC-200309, rebuild or reconductor of Wolfforth – Yuma, and terminal equipment replacement of Terry County – Wolfforth 115kV to mitigate overloads during contingency.

Table 22: Scenario 6 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	105.3179	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Uprate terminal equipment per SPP-NTC-200395
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	113.3396	P12:230:SPS:K10.1.LUBBS.WOLFTH
	Mitigation		Rebuild approximately 5 miles of 115kV from Wolfforth – Yuma
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	102.9338	P12:345:SPS:J15.1.XRDS.TOLK
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	103.3011	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309

Point of Interconnections studied in Scenario #7 are displayed in the following table:

Table 23: Scenario 7 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #7	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #7 ERS analyses observed the need to build additional bus tie breakers for Tolk – Tolk West 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 24: Scenario 7 Group 6 ERS Power Flow Analysis

ERS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY

TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	105.4558	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kV Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	104.8297	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kV bus tie breaker

After POI Scenario #7 ERS constraints are mitigated by means of transmission reinforcements, POI Scenario #7 NRS will require advancement of Hobbs – Yoakum – TUCO 345kV project per SPP-NTC-200309, rebuild or reconductor of Wolfforth – Yuma, and terminal equipment replacement of Terry County – Wolfforth 115kV to mitigate overloads during contingency.

Table 25: Scenario 7 Group 6 NRS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	105.2007	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Uprate terminal equipment per SPP-NTC-200395
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	113.2228	P12:230:SPS:K10.1.LUBBS.WOLFFTH
	Mitigation		Rebuild approximately 5 miles of 115kV from Wolfforth – Yuma
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	102.8633	P12:345:SPS:J15.1.XRDS.TOLK
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	103.3707	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309

Point of Interconnections studied in Scenario #8 are displayed in the following table:

Table 26: Scenario 8 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #8	Group 6 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Tolk 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 115kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #8 ERS analyses observed the need to build additional bus tie breakers for Tolk – Tolk West 230kV. Additionally, a second circuit Tolk 345/115/13kV transformer is required for mitigation.

Table 27: Scenario 8 Group 8 ERS Power Flow Analysis

ERS Constraints

MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	105.4255	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk 345/230/13kV Transformer
TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	104.817	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
	Mitigation		Build second Tolk Tap – Tolk West 230kV bus tie breaker

After POI Scenario #8 ERIS constraints are mitigated by means of transmission reinforcements, POI Scenario #8 NRIS will require advancement of Hobbs – Yoakum – TUCO 345kV project per SPP-NTC-200309, second 115kV from Cunningham – Maddox, build of second 115kV Lea County West – Lovington, rebuild or reconductor of Wolfforth – Yuma, rebuild or reconductor of Hobbs – Millen – Northeast 115kV, and terminal equipment replacement of Terry County – Wolfforth 115kV to mitigate overloads during contingency.

Table 28: Scenario 8 Group 6 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.0	130.9139	P12:115:SPS:T94.1.MADDOX.HOBBG
	Mitigation		Build second 115kV circuit from Cunningham - Maddox
LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	111.8472	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
	Mitigation		Lea County Potential Upgrade – Second Lea County West – Lovington 115kV CKT 2
TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.0	105.5092	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Uprate terminal equipment per SPP-NTC-200395
WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	113.53	P12:230:SPS:K10.1.LUBBS.WOLFFTH
	Mitigation		Rebuild approximately 5 miles of 115kV from Wolfforth – Yuma
AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	102.7973	P12:345:SPS:J15.1.XRDS.TOLK
G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	101.2821	P12:345:SPS:J15.1.XRDS.TOLK
	Mitigation		Build Hobbs – Yoakum – TUCO 345kV Project per NTC-200309
HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	113.0884	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	102.1527	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
	Mitigation		Rebuild approximately 12 miles of 115kV from Hobbs – Millen – Northeast 115kV

8.6 Cluster Group 7 (Southwestern Oklahoma Area)

In addition to the 2,687.4 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.7 Cluster Group 8 (North Oklahoma/South Central Kansas Area)

In addition to the 9,526.16 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.8 Cluster Group 9 (Nebraska Area)

In addition to the 5346.30 MW of previously queued generation in the area, 360.0 MW of new interconnection service was studied. Four (4) Point of Interconnection Scenarios were analyzed for Group 9. ERIS and NRIS constraints that could be possible mitigated by higher queued, DISIS-2016-001, generation are listed within **Table 29** and **30**. These constraints can be reviewed in detail in Appendix G. Higher queued constraints will require transmission reinforcements at the possible cost responsibility of higher queued projects. Should these study cost assignments change during the completion of the DISIS-2016-001, then the cost responsibilities could be assigned to FCS-2016-003 requests should they proceed into the next subsequent PISIS or DISIS. In this DC analysis potential system stability limits such as Gentleman Generation Station (GGS) Stability Limit are not mitigated, however they could be required to be mitigated if the requests proceed to an AC system study.

Table 29: Higher Queued Group 6 ERIS Transmission Reinforcement Requiring Constraints

ERIS Constraints		
MONITORED ELEMENT	RATE (MVA)	CONTINGENCY
SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	P12:115:UMZB:# 119 #: IN NE.
GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.6	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
OGALLALA - SIDNEY 230KV CKT 1	319.9	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
Gentleman Generation Station Stability Limit		
	Mitigation	Potential DISIS-2016-001 Network Upgrade(s)

Table 30: Higher Queued Group 6 NRIS Transmission Reinforcement Requiring Constraints

NRIS Constraints		
MONITORED ELEMENT	RATE (MVA)	CONTINGENCY
SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	P12:115:UMZB:# 119 #: IN NE.
GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.6	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
OGALLALA - SIDNEY 230KV CKT 1	319.9	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
Gentleman Generation Station Stability Limit		
	Mitigation	Potential DISIS-2016-001 Network Upgrade(s)

Point of Interconnections studied in Scenario #9 are displayed in the following table:

Table 31: Scenario 9 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #9	Group 9 HVER & 9 NRIS	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #9 ERIIS analyses observed the need to rebuild or reconductor 17 miles of 115kV from Brule – Big Springs – Julesburg, 28 miles of 115kV from Chappel – Colton – Sidney 115kV, and build second circuit 115kV from Keystone – Ogallala. Additionally, a second circuit Keystone 345/115/13kV transformer is required for mitigation.

Table 32: Scenario 9 Group 9 ERIIS Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
BIG SPRINGS - BRULE 115KV CKT 1	108.9	101.3727	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	116.9296	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
	Mitigation		Rebuild or re-conductor approximately 17 miles of 115kV from Brule – Big Springs – Julesburg Tap.
CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	146.5397	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	143.1233	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	147.7401	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
	Mitigation		Rebuild or re-conductor approximately 28 miles of 115kV from Chappel – Colton – Sidney.
KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	106.2958	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
	Mitigation		Build second Keystone – Ogallala 115kV transmission circuit
KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	115.6129	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
	Mitigation		Build second Keystone 345/115/13kV transformer

After POI Scenario #9 ERIIS constraints are mitigated by means of transmission reinforcements, POI Scenario #9 NRIS will require 14 miles of 115kV from Brule – Ogallala to be rebuild or re-conducted. Constraints observed on the Grand Island – Holt 345kV will require the Gentlemen Generation Station (GGS) – Thedford – Holt 345kV (“R-Plan”) to be placed in service and also additional terminal equipment upgrade work to be conducted on Grand Island – Holt 345kV transmission circuit.

Table 33: Scenario 9 Group 9 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
BRULE - OGALALA7 115.00 115KV CKT 1	108.8	106.9809	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
BIG SPRINGS - BRULE 115KV CKT 1	108.7	127.3347	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	117.0037	P13:115-230:NPPD:SIDNEY 4:KV1A
	Mitigation		Rebuild or re-conductor approximately 31 miles of 115kV from Ogallala - Brule – Big Springs – Julesburg Tap.
CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	146.5804	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	143.0157	P13:115-230:NPPD:SIDNEY 4:KV1A
COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	147.7378	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
	Mitigation		Rebuild or re-conductor approximately 28 miles of 115kV from Chappel – Colton – Sidney.
GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	123.4659	KELLY - MEADOWGROVE4230.00 230KV CKT 1
GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	120.8561	KELLY - MEADOWGROVE4230.00 230KV CKT 1
	Mitigation		Upgrade terminal equipment

Point of Interconnections studied in Scenario #10 are displayed in the following table:

Table 34: Scenario 10 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #10	Group 9 HVER	GEN-2016-074	Tap Sweetwater – Gentleman 345kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 230kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #10 ERIS analyses observed the need to build a second circuit 115kV from Keystone – Ogallala and to build a second circuit Keystone 345/115/13kV transformer is required for mitigation.

Table 35: Scenario 10 Group 9 ERIS Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	109.914	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
	Mitigation		Build second Keystone – Ogallala 115kV transmission circuit
KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	119.9215	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
	Mitigation		Build second Keystone 345/115/13kV transformer

After POI Scenario #10 ERIS constraints are mitigated by means of transmission reinforcements, POI Scenario #10 NRIS will require rebuild or reconductor for 31 miles of 115kV from Julesburg – Big Springs - Brule – Ogallala and 28 miles of 115kV from Chappel – Colton – Sidney 115kV. Constraints observed on the Grand Island – Holt 345kV will require the Gentlemen Generation Station (GGS) – Thedford – Holt 345kV (“R-Plan”) to be placed in service and also additional terminal equipment upgrade work to be conducted on Grand Island – Holt 345kV transmission circuit.

Table 36: Scenario 10 Group 9 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
BRULE - OGALALA7 115.00 115KV CKT 1	108.8	106.9809	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
BIG SPRINGS - BRULE 115KV CKT 1	108.7	127.3347	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	117.0037	P13:115-230:NPPD:SIDNEY 4:KV1A
	Mitigation		Rebuild or re-conductor approximately 31 miles of 115kV from Ogallala - Brule – Big Springs – Julesburg Tap.
CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	146.5804	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	143.0157	P13:115-230:NPPD:SIDNEY 4:KV1A
COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	147.7378	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
	Mitigation		Rebuild or re-conductor approximately 28 miles of 115kV from Chappel – Colton – Sidney.
GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	123.4659	KELLY - MEADOWGROVE4230.00 230KV CKT 1

GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	120.8561	KELLY - MEADOWGROVE4230.00 230KV CKT 1
Mitigation			Upgrade terminal equipment

Point of Interconnections studied in Scenario #11 are displayed in the following table:

Table 37: Scenario 11 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #11	Group 9 HVER	GEN-2016-074	Tap Crooked Creek – North Platte 230kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 115kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #11 ERIS analyses observed the need to rebuild or re-conductor 31 miles of 115kV from Ogallala - Brule – Big Springs – Julesburg, 28 miles of 115kV from Chappel – Colton – Sidney 115kV, and build second circuit 115kV from Keystone – Ogallala. Additionally, a second circuit Keystone 345/115/13kV transformer is required for mitigation.

Table 38: Scenario 11 Group 9 ERIS Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
BRULE - OGALALA7 115.00 115KV CKT 1	108.4	130.5985	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
BIG SPRINGS - BRULE 115KV CKT 1	108.4	132.7203	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	116.9296	P13:115-230:NPPD:SIDNEY 4:KV1A
Mitigation			Rebuild or re-conductor approximately 31 miles of 115kV from Ogallala - Brule – Big Springs – Julesburg Tap.
CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	156.307	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	159.5704	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
Mitigation			Rebuild or re-conductor approximately 28 miles of 115kV from Chappel – Colton – Sidney.
KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	106.0057	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
Mitigation			Build second Keystone – Ogallala 115kV transmission circuit
KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	115.2674	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
Mitigation			Build second Keystone 345/115/13kV transformer

After POI Scenario #11 ERIS constraints are mitigated by means of transmission reinforcements, POI Scenario #11 NRIS will require Chappel – Colton – Sidney 115kV conductor clearance increase and terminal equipment replacement. Constraints observed on the Grand Island – Holt 345kV will require the Gentlemen Generation Station (GGS) – Thedford – Holt 345kV (“R-Plan”) to be placed in service and also additional terminal equipment upgrade work to be conducted on Grand Island – Holt 345kV transmission circuit.

Table 39: Scenario 11 Group 9 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	101.9069	P12:115:TSGT:GRANTNB7-OGALALA7_2
COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	101.8074	P12:115:TSGT:GRANTNB7-OGALALA7_2
	Mitigation		Upgrade conductor clearance and terminal equipment replacement
GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	123.4839	KELLY - MEADOWGROVE4230.00 230KV CKT 1
GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	120.8737	KELLY - MEADOWGROVE4230.00 230KV CKT 1
	Mitigation		Upgrade terminal equipment

Point of Interconnections studied in Scenario #11 are displayed in the following table:

Table 40: Scenario 12 Point of Interconnections

Scenario Number	Scenario Description	Interconnection Requests	Point of Interconnection (POI)
Scenario #12	Group 9 HVER	GEN-2016-074	Tap Crooked Creek – North Platte 230kV
		GEN-2016-076	Crossroads 345kV
		GEN-2016-077	Dixon 69kV
		GEN-2016-078	Bailey County 115kV
		GEN-2016-079	Sidney 230kV
		GEN-2016-085	Hobbs 230kV
		GEN-2016-086	Roosevelt County 230kV

Point of Interconnection Scenario #12 Eris analyses observed the need to build a second circuit 115kV from Keystone – Ogallala and to build a second circuit Keystone 345/115/13kV transformer is required for mitigation.

Table 41: Scenario 12 Group 9 Eris Power Flow Analysis

ERIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	109.6253	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
	Mitigation		Build second Keystone – Ogallala 115kV transmission circuit
KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	119.576	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
	Mitigation		Build second Keystone 345/115/13kV transformer

After POI Scenario #12 Eris constraints are mitigated by means of transmission reinforcements, POI Scenario #12 NRIS will require Chappel – Colton – Sidney 115kV conductor clearance increase and terminal equipment replacement. Constraints observed on the Grand Island – Holt 345kV will require the Gentlemen Generation Station (GGS) – Thedford – Holt 345kV (“R-Plan”) to be placed in service and also additional terminal equipment upgrade work to be conducted on Grand Island – Holt 345kV transmission circuit.

Table 42: Scenario 12 Group 9 NRIS Power Flow Analysis

NRIS Constraints			
MONITORED ELEMENT	RATE (MVA)	TC% LOADING (%)	CONTINGENCY
CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	101.9069	P12:115:TSGT:GRANTNB7-OGALALA7_2
COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	101.8074	P12:115:TSGT:GRANTNB7-OGALALA7_2
	Mitigation		Upgrade conductor clearance
GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	123.4839	KELLY - MEADOWGROVE4230.00 230KV CKT 1
GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	120.8737	KELLY - MEADOWGROVE4230.00 230KV CKT 1
	Mitigation		Upgrade terminal equipment

8.9 Cluster Group 10 (Southeast Oklahoma/Northeast Texas Area)

In addition to the 0.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.10 Cluster Group 12 (Northwest Arkansas Area)

In addition to the 30.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.11 Cluster Group 13 (Northeast Kansas/Northwest Missouri Area)

In addition to the 679.10 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.12 Cluster Group 14 (South Central Oklahoma Area)

In addition to the 1,616.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.13 Cluster Group 15 (Eastern South Dakota)

In addition to approximately 2,326.4 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.14 Cluster Group 16 (Western North Dakota)

In addition to approximately 4,527.41 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.15 Cluster Group 17 (Western and South Central South Dakota)

In addition to approximately 673.9 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied.

8.16 Cluster Group 18 (Eastern North Dakota)

In addition to approximately 261.5 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

8.17 Curtailment and System Reliability

In no way does this study guarantee operation for all periods of time. It should be noted that although this study analyzed many of the most probable contingencies, it is not an all-inclusive list and cannot account for every operational situation. Because of this, it is likely that the Customer(s) may be required to reduce their generation output to 0 MW, also known as curtailment, under certain system conditions to allow system operators to maintain the reliability of the transmission network.

9 Conclusion

The minimum cost of interconnecting 1,226 MW of new interconnection requests included in this Feasibility Cluster Study are listed in Appendices E and F, which include the Allocated Network Upgrades and Transmission Owner Interconnection Facilities.

Within the study scope of the Feasibility Cluster Studies, two (2) Points of Interconnection (primary or secondary POI) assumption analyses were conducted for GEN-2016-074, GEN-2016-076, GEN-2016-079, GEN-2016-085, and GEN-2016-086.

Twelve (12) scenario assumption analyses were conducted for the current study to account for GEN-2016-074, GEN-2016-076, GEN-2016-085, and GEN-2016-086 primary and secondary POIs. **Table 1** displays the Twelve (12) Energy Resource Interconnection Service (ERIS) and Network Resources Interconnection Service (NRIS) analyses that were performed.

If the Interconnection Customers proceed into the Preliminary Interconnection System Impact Study (PISIS) or Definitive Interconnection System Impact Study (DISIS), the Interconnection Customer can propose only one Point of Interconnection (POI).

The total estimated minimum cost assigned to Interconnection Customers for each interconnecting scenario is estimate in the following table and is also show in Appendix E and F.

Table 43: Total Estimated Minimum Cost

Scenario Number	Total Estimated Minimum Cost
Scenario #1	\$153,600,000
Scenario #2	\$143,600,000
Scenario #3	\$143,100,000
Scenario #4	\$153,100,000
Scenario #5	\$79,000,000
Scenario #6	\$66,000,000
Scenario #7	\$68,250,000
Scenario #8	\$79,000,000
Scenario #9	\$118,000,000
Scenario #10	\$119,000,000
Scenario #11	\$105,000,000
Scenario #12	\$81,000,000

This total cost estimate is contingent upon higher queued customers paying for certain required network upgrades. Additionally, the total cost estimates are contingent on potential DISIS-2016-001 identified upgrades.

The one-line diagrams in Appendix D should be consulted for details of the alternate POIs. These costs do not include the Interconnection Customer Interconnection Facilities as defined by the SPP Open Access Transmission Tariff (OATT). This cost does not include the possible need for reactive

compensation or additional interconnection facilities or network upgrades that may be identified through additional analyses performed in the PISIS and DISIS.

The powerflow results listed in this report were obtained by analyzing the 1,226 MW of Feasibility Study Interconnection Requests in addition to prior queued Interconnection Requests up to and including DISIS-2016-001. DISIS-2016-001 study is not completed yet; however DISIS-2016-001 Interconnection Requests could be cost assigned potential Network Upgrades identified in this feasibility study analysis as non-incremental constraints as a result of FCS-2016-003 Interconnection Service addition. Those DC analysis constraints can be found in the Contingency Upgrade section. Please note DISIS-2016-001 AC contingency analysis has not been conducted and could result in additional upgrades and/or constraints. If any Interconnection Requests are withdrawn from the higher queued studies including DISIS-2016-001, then potential upgrades tentatively assigned to those Interconnection Requests may be assigned to the Interconnection Requests in this FCS-2016-003 study once these Interconnection Requests execute a Definitive Interconnection System Impact Study Agreement.

These interconnection costs do not include any cost of Network Upgrades determined to be required by AC power flow analysis, short circuit or transient stability analysis. These studies will be performed if the Interconnection Customer executes the appropriate Interconnection System Impact Study Agreement and provides the required data along with demonstration of Site Control and the appropriate deposit. At the time of the System Impact Cluster Study, a better determination of the interconnection facilities may be available.

The required interconnection costs listed in Appendices E and F, and other upgrades associated with Network Constraints do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request (TSR) through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP Open Access Transmission Tariff (OATT).

10 Appendix

10.1 A: Generator Interconnection Requests Considered for Study

See next page.

A: Generation Interconnection Requests Considered for Study

Request	Amount	Service	Area	Requested Point of Interconnection	Proposed Point of Interconnection	Requested In-Service Date	In Service Date Delayed Until no earlier than*
GEN-2016-074	200.00	ER	NPPD	Tap Sweetwater - Gentleman 345kV/Crooked Creek - North Platte 230kV	Tap Sweetwater - Gentleman 345kV/Crooked Creek - North Platte 230kV	12/31/2018	TBD
GEN-2016-076	396.00	ER/NR	SPS	Crossroads 345kV/Tolk 345kV	Crossroads 345kV/Tolk 345kV	12/31/2018	TBD
GEN-2016-077	50.00	ER/NR	SPS	Ozark Mahoning #1	Ozark Mahoning #1	11/30/2018	TBD
GEN-2016-078	100.00	ER/NR	SPS	Bailey Bounty 115kV	Bailey Bounty 115kV	12/31/2018	TBD
GEN-2016-079	160.00	ER/NR	NPPD	Sidney 115kV/Sidney 230kV	Sidney 115kV/Sidney 230kV	12/31/2019	TBD
GEN-2016-085	80.00	ER/NR	SPS	Hobbs 115kV/Hobbs 230kV	Hobbs 115kV/Hobbs 230kV	12/31/2019	TBD
GEN-2016-086	240.00	ER	SPS	Roosevelt 230kV/Roosevelt 115kV	Roosevelt 230kV/Roosevelt 115kV	12/31/2019	TBD
Total: 1,226.00							

*In-Service Date for each request is to be determined after the Interconnection Facility Study is completed.

10.2 B: Prior Queued Interconnection Requests

See next page.

B: Prior Queued Interconnection Requests

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
ASGI-2010-006	150.00	AECI	Remington 138kV	AECI queue Affected Study
ASGI-2010-010	42.20	SPS	Lovington 115kV	Lea County Affected Study
ASGI-2010-020	30.00	SPS	Tap LE-Tatum - LE-Crossroads 69kV	Lea County Affected Study
ASGI-2010-021	15.00	SPS	Tap LE-Saunders Tap - LE-Anderson 69kV	Lea County Affected Study
ASGI-2011-001	27.30	SPS	Lovington 115kV	On-Line
ASGI-2011-002	20.00	SPS	Herring 115kV	On-Line
ASGI-2011-003	10.00	SPS	Hendricks 69kV	On-Line
ASGI-2011-004	20.00	SPS	Pleasant Hill 69kV	Under Study (DISIS-2011-002)
ASGI-2012-002	18.15	SPS	FE-Clovis Interchange 115kV	Under Study (DISIS-2012-002)
ASGI-2012-006	22.50	SUNCMKEC	Tap Hugoton - Rolla 69kV	Under Study (DISIS-2012-001)
ASGI-2013-001	11.50	SPS	PanTex South 115kV	Under Study (DISIS-2013-001)
ASGI-2013-002	18.40	SPS	FE Tucumcari 115kV	Under Study (DISIS-2013-001)
ASGI-2013-003	18.40	SPS	FE Clovis 115kV	Under Study (DISIS-2013-001)
ASGI-2013-004	36.60	SUNCMKEC	Morris 115kV	Under Study (DISIS-2013-002)
ASGI-2013-005	1.65	SPS	FE Clovis 115kV	Under Study (DISIS-2013-002)
ASGI-2013-006	2.00	SPS	SP-Erskine 115kV	
ASGI-2014-001	2.50	SPS	SP-Erskine 115kV	Under Study (DISIS-2014-001)
ASGI-2014-014	56.40	GRDA	Ferguson 69kV	Under Study (DISIS-2014-002)
ASGI-2015-001	6.13	SUNCMKEC	Ninnescah 115kV	Under Study (DISIS-2015-001)
ASGI-2015-002	2.00	SPS	SP-Yuma 69kV	Under Study (DISIS-2015-001)
ASGI-2015-004	56.36	GRDA	Coffeyville City 69kV	Under Study (DISIS-2015-001)
ASGI-2015-006	9.00	SWPA	Tupelo 138kV	Under Study (DISIS-2015-002)
ASGI-2016-001	2.50	SPS	Wolfforth 115kV	DISIS STAGE
ASGI-2016-002	0.35	SPS	Hurlwood 115kV	DISIS STAGE
ASGI-2016-003	6.00	KCPL		DISIS STAGE
ASGI-2016-004	9.60	SPS	Palo Duro 115kV	DISIS STAGE
ASGI-2016-005	20.00	WAPA	Tap White Lake - Stickeny 69kV	DISIS STAGE
ASGI-2016-006	20.00	WAPA	Mitchall	DISIS STAGE
ASGI-2016-007	20.00	WAPA	Kimball 69kV	DISIS STAGE
G176	100.00	XEL	Yankee 115kV	
G255	100.00	XEL	Yankee 115kV	MISO Queued Request
G359	150.00	MDU	MDU 230 kV system near Ellendale	MISO Queued Request
G380	150.00	OTP	Rugby 115kV	MISO Queued Request
G408	12.00	XEL	Tap McHenry - Souris 115kV	MISO Queued Request
G502	50.60	MP	Milton Young 230kV	MISO Queued Request
G586	30.00	XEL	Yankee 115kV	
G645	50.00	GRE	Ladish 115kV	MISO Queued Request
G723	10.00	MDU	Haskett 115kV	MISO Queued Request
G736	200.00	OTP	Big Stone South 230kV	
G752	150.00	MDU	Tap Bison - Hettinger 230kV	MISO Queued Request
G788	49.00	GRE	Ladish 115kV	MISO Queued Request
G830	99.00	GRE	GRE McHenry 115kV	MISO Queued Request
GEN-2001-014	96.00	WFEC	Ft Supply 138kV	On-Line
GEN-2001-026	74.30	WFEC	Washita 138kV	On-Line
GEN-2001-033	180.00	SPS	San Juan Tap 230kV	On-Line at 120MW
GEN-2001-036	80.00	SPS	Norton 115kV	On-Line

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2001-037	100.00	OKGE	FPL Moreland Tap 138kV	On-Line
GEN-2001-039A	105.00	SUNCMKEC	Shooting Star Tap 115kV	On-Line
GEN-2001-039M	100.00	SUNCMKEC	Central Plains Tap 115kV	On-Line
GEN-2002-004	200.00	WERE	Latham 345kV	On-Line at 150MW
GEN-2002-005	120.00	WFEC	Red Hills Tap 138kV	On-Line
GEN-2002-008	240.00	SPS	Hitchland 345kV	On-Line at 120MW
GEN-2002-008IS	40.50	WAPA	Edgeley 115kV [Pomona 115kV]	Commercial Operation
GEN-2002-009	80.00	SPS	Hansford 115kV	On-Line
GEN-2002-009IS	40.00	WAPA	Ft Thompson 69kV [Hyde 69kV]	Commercial Operation
GEN-2002-022	240.00	SPS	Bushland 230kV	On-Line
GEN-2002-023N	0.80	NPPD	Harmony 115kV	On-Line
GEN-2002-025A	150.00	SUNCMKEC	Spearville 230kV	On-Line
GEN-2003-004	100.00	WFEC	Washita 138kV	On-Line
GEN-2003-005	100.00	WFEC	Anadarko - Paradise (Blue Canyon) 138kV	On-Line
GEN-2003-006A	200.00	SUNCMKEC	Elm Creek 230kV	On-Line
GEN-2003-019	250.00	MIDW	Smoky Hills Tap 230kV	On-Line
GEN-2003-020	160.00	SPS	Martin 115kV	On-Line
GEN-2003-021N	75.00	NPPD	Ainsworth Wind Tap 115kV	On-Line
GEN-2003-022	120.00	AEPW	Weatherford 138kV	On-Line
GEN-2004-014	154.50	SUNCMKEC	Spearville 230kV	On-Line at 100MW
GEN-2004-020	27.00	AEPW	Weatherford 138kV	On-Line
GEN-2004-023	20.60	WFEC	Washita 138kV	On-Line
GEN-2004-023N	75.00	NPPD	Columbus Co 115kV	On-Line
GEN-2005-003	30.60	WFEC	Washita 138kV	On-Line
GEN-2005-003IS	100.00	WAPA	Nelson 115kV	Commercial Operation
GEN-2005-008	120.00	OKGE	Woodward 138kV	On-Line
GEN-2005-008IS	50.00	WAPA	Hilken 230kV [Ecklund 230kV]	Commercial Operation
GEN-2005-012	250.00	SUNCMKEC	Ironwood 345kV	On-Line at 160MW
GEN-2005-013	201.00	WERE	Caney River 345kV	On-Line
GEN-2006-001IS	10.00	XEL	Marshall 115kV	Commercial Operation
GEN-2006-002	101.00	AEPW	Sweetwater 230kV	On-Line
GEN-2006-002IS	51.00	WAPA	Wessington Springs 230kV	Commercial Operation
GEN-2006-006IS	10.00	XEL	Marshall 115kV	Commercial Operation
GEN-2006-015IS	50.00	WAPA	Hilken 230kV [Ecklund 230kV]	Commercial Operation
GEN-2006-018	170.00	SPS	TUCO Interchange 230kV	On-Line
GEN-2006-020N	42.00	NPPD	Bloomfield 115kV	On-Line
GEN-2006-020S	18.90	SPS	DWS Frisco 115kV	On-Line
GEN-2006-021	101.00	SUNCMKEC	Flat Ridge Tap 138kV	On-Line
GEN-2006-024S	19.80	WFEC	Buffalo Bear Tap 69kV	On-Line
GEN-2006-026	502.00	SPS	Hobbs 230kV & Hobbs 115kV	On-Line
GEN-2006-031	75.00	MIDW	Knoll 115kV	On-Line
GEN-2006-035	225.00	AEPW	Sweetwater 230kV	On-Line at 132MW
GEN-2006-037N1	75.00	NPPD	Broken Bow 115kV	On-Line
GEN-2006-038N005	80.00	NPPD	Broken Bow 115kV	On-Line
GEN-2006-038N019	80.00	NPPD	Petersburg North 115kV	On-Line
GEN-2006-043	99.00	AEPW	Sweetwater 230kV	On-Line
GEN-2006-044	370.00	SPS	Hitchland 345kV	On-Line at 120MW
GEN-2006-044N	40.50	NPPD	North Petersburg 115kV	On-Line
GEN-2006-046	131.00	OKGE	Dewey 138kV	On-Line
GEN-2007-011N08	81.00	NPPD	Bloomfield 115kV	On-Line

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2007-013IS	50.00	WAPA	Wessington Springs 230kV	Commercial Operation
GEN-2007-014IS	100.00	WAPA	Wessington Springs 230kV	Commercial Operation
GEN-2007-015IS	100.00	WAPA	Hilken 230kV [Ecklund 230kV]	Commercial Operation
GEN-2007-017IS	166.00	WAPA	Ft Thompson-Grand Island 345kV	On Schedule
GEN-2007-018IS	234.00	WAPA	Ft Thompson-Grand Island 345kV	On Schedule
GEN-2007-020IS	16.00	WAPA	Nelson 115kV	Commercial Operation
GEN-2007-021	201.00	OKGE	Tatonga 345kV	On-Line
GEN-2007-023IS	50.00	WAPA	Formit-Summit 115kV	On Suspension
GEN-2007-025	300.00	WERE	Viola 345kV	On-Line
GEN-2007-027IS	99.00	WAPA	Bismarck-Garrison 230kV #1	On Suspension
GEN-2007-040	200.00	SUNCMKEC	Buckner 345kV	On-Line at 132MW
GEN-2007-043	200.00	OKGE	Minco 345kV	On-Line
GEN-2007-044	300.00	OKGE	Tatonga 345kV	On-Line at 199MW
GEN-2007-046	200.00	SPS	Hitchland 115kV	On-Line
GEN-2007-050	170.00	OKGE	Woodward EHV 138kV	On-Line at 150MW
GEN-2007-052	150.00	WFEC	Anadarko 138kV	On-Line
GEN-2007-062	765.00	OKGE	Woodward EHV 345kV	On Schedule for 2016 and 2017
GEN-2008-003	101.00	OKGE	Woodward EHV 138kV	On-Line
GEN-2008-008IS	5.00	WAPA	Nelson 115kV	Commercial Operation
GEN-2008-013	300.00	OKGE	Hunter 345kV	On-Line at 235MW
GEN-2008-018	250.00	SPS	Finney 345kV	On-Line
GEN-2008-021	42.00	WERE	Wolf Creek 345kV	On-Line
GEN-2008-022	300.00	SPS	Crossroads 345kV	On-Line
GEN-2008-023	150.00	AEPW	Hobart Junction 138kV	On-Line
GEN-2008-037	101.00	WFEC	Slick Hills 138kV	On-Line
GEN-2008-044	197.80	OKGE	Tatonga 345kV	On-Line
GEN-2008-047	300.00	OKGE	Beaver County 345kV	On-Line
GEN-2008-051	322.00	SPS	Potter County 345kV	On-Line at 161MW
GEN-2008-079	99.20	SUNCMKEC	Crooked Creek 115kV	On-Line
GEN-2008-086N02	201.00	NPPD	Meadow Grove 230kV	On-Line
GEN-2008-092	200.60	MIDW	Post Rock 230kV	On-Line
GEN-2008-098	100.80	WERE	Waverly 345kV	On-Line
GEN-2008-119O	60.00	OPPD	S1399 161kV	On-Line
GEN-2008-123N	89.70	NPPD	Tap Pauline - Hildreth (Rosemont) 115kV	On Schedule for 2016
GEN-2008-124	200.10	SUNCMKEC	Ironwood 345kV	On Schedule for 2016
GEN-2008-129	80.00	KCPL	Pleasant Hill 161kV	On-Line
GEN-2009-001IS	200.00	WAPA	Groton-Watertown 345kV	On Schedule
GEN-2009-006IS	90.00	WAPA	Mission 115kV	On Suspension
GEN-2009-007IS	100.00	WAPA	Mission 115kV	On Suspension
GEN-2009-008	199.50	MIDW	South Hays 230kV	On-Line
GEN-2009-018IS	100.00	WAPA	Groton 115kV	Commercial Operation
GEN-2009-020	48.30	MIDW	Walnut Creek 69kV	On-Line
GEN-2009-020AIS	130.50	WAPA	Tripp Junction 115kV	Commercial Operation
GEN-2009-025	59.80	OKGE	Nardins 69kV	On-Line
GEN-2009-026IS	110.00	WAPA	Dickenson-Heskett 230kV	On Schedule
GEN-2009-040	73.80	WERE	Marshall 115kV	On Schedule for 2016
GEN-2010-001	300.00	OKGE	Beaver County 345kV	On-Line
GEN-2010-001IS	99.00	WAPA	Bismarck-Glenham 230kV	On Schedule
GEN-2010-003	100.80	WERE	Waverly 345kV	On-Line
GEN-2010-003IS	34.00	WAPA	Wessington Springs 230kV	Commercial Operation

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2010-005	299.20	WERE	Viola 345kV	On-Line at 170MW
GEN-2010-006	205.00	SPS	Jones 230kV	On-Line
GEN-2010-007IS	172.50	WAPA	Antelope Valley 345kV	On Suspension
GEN-2010-009	165.60	SUNCMKEC	Buckner 345kV	On-Line
GEN-2010-011	29.70	OKGE	Tatonga 345kV	On-Line
GEN-2010-014	358.80	SPS	Hitchland 345kV	On Schedule for 2018
GEN-2010-036	4.60	WERE	6th Street 115kV	On-Line
GEN-2010-040	300.00	OKGE	Cimarron 345kV	On-Line
GEN-2010-041	10.50	OPPD	S1399 161kV	On-Line
GEN-2010-045	197.80	SUNCMKEC	Buckner 345kV	On Schedule for 2017
GEN-2010-046	56.00	SPS	TUCO Interchange 230kV	On Schedule for 2016
GEN-2010-048	70.00	MIDW	Tap Beach Station - Redline 115kV	FACILITY STUDY STAGE
GEN-2010-051	200.00	NPPD	Tap Hoskins - Twin Church (Dixon County) 230kV	On Schedule for 2018
GEN-2010-055	4.50	AEPW	Wekiwa 138kV	On-Line
GEN-2010-057	201.00	MIDW	Rice County 230kV	On-Line
GEN-2011-008	600.00	SUNCMKEC	Clark County 345kV	On Schedule for 2016
GEN-2011-010	100.80	OKGE	Minco 345kV	On-Line
GEN-2011-011	50.00	KCPL	Iatan 345kV	On-Line
GEN-2011-014	201.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (GEN-2011-014 Tap) 345kV	On Schedule for 2016
GEN-2011-016	200.10	SUNCMKEC	Ironwood 345kV	On Suspension
GEN-2011-018	73.60	NPPD	Steele City 115kV	On-Line
GEN-2011-019	299.00	OKGE	Woodward 345kV	On Schedule for 2017
GEN-2011-020	299.00	OKGE	Woodward 345kV	On Schedule for 2017
GEN-2011-022	299.00	SPS	Hitchland 345kV	On Schedule for 2016 (150MW) and 2017 (149MW)
GEN-2011-025	80.00	SPS	Tap Floyd County - Crosby County 115kV	On Schedule for 2016
GEN-2011-027	120.00	NPPD	Tap Hoskins - Twin Church (Dixon County) 230kV	On Suspension
GEN-2011-037	7.00	WFEC	Blue Canyon 5 138kV	On-Line
GEN-2011-040	111.00	OKGE	Carter County 138kV	On-Line
GEN-2011-045	205.00	SPS	Jones 230kV	On-Line
GEN-2011-046	27.00	SPS	Lopez 115kV	On-Line
GEN-2011-048	175.00	SPS	Mustang 230kV	On-Line
GEN-2011-049	250.70	OKGE	Border 345kV	On Schedule for 2016
GEN-2011-050	109.80	AEPW	Santa Fe Tap 138kV	On Schedule for 2016
GEN-2011-051	104.40	OKGE	Tap Woodward - Tatonga 345kV (GEN-2011-051 Tap)	On Schedule for 2017
GEN-2011-054	300.00	OKGE	Cimarron 345kV	On-Line
GEN-2011-056	3.60	NPPD	Jeffrey 115kV	On-Line
GEN-2011-056A	3.60	NPPD	John 1 115kV	On-Line
GEN-2011-056B	4.50	NPPD	John 2 115kV	On-Line
GEN-2011-057	150.40	WERE	Creswell 138kV	On-Line
GEN-2012-001	61.20	SPS	Cirrus Tap 230kV	On-Line
GEN-2012-004	41.40	OKGE	Carter County 138kV	On-Line
GEN-2012-006IS	125.01	WAPA	Williston-Ch. Creek 230kV	On Schedule
GEN-2012-007	120.00	SUNCMKEC	Rubart 115kV	On-Line
GEN-2012-009IS	99.00	WAPA	Fort Randall 115kV	On Suspension
GEN-2012-012IS	75.00	WAPA	Wolf Point-Circle 115kV	On Suspension
GEN-2012-014IS	99.50	WAPA	Groton 115kV	On Schedule
GEN-2012-020	478.00	SPS	TUCO 230kV	On Schedule for 2016
GEN-2012-021	4.80	LES	Terry Bundy Generating Station 115kV	On-Line

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2012-024	180.00	SUNCMKEC	Clark County 345kV	On Schedule for 2016
GEN-2012-028	74.80	WFEC	Gotebo 69kV	On-Line
GEN-2012-032	300.00	OKGE	Open Sky 345kV	On-Line
GEN-2012-033	98.10	OKGE	Tap and Tie South 4th - Bunch Creek & Enid Tap - Fairmont (GEN-2012-033T) 138kV	On-Line
GEN-2012-034	7.00	SPS	Mustang 230kV	On-Line
GEN-2012-035	7.00	SPS	Mustang 230kV	On-Line
GEN-2012-036	7.00	SPS	Mustang 230kV	On-Line
GEN-2012-037	203.00	SPS	TUCO 345kV	On-Line
GEN-2012-041	121.50	OKGE	Ranch Road 345kV	On-Line
GEN-2013-001IS	90.00	WAPA	Summit-Watertown 115kV	On Suspension
GEN-2013-002	50.60	LES	Tap Sheldon - Folsom & Pleasant Hill (GEN-2013-002 Tap) 115kV CKT 2	On Suspension
GEN-2013-007	100.30	OKGE	Tap Prices Falls - Carter 138kV	On-Line
GEN-2013-008	1.20	NPPD	Steele City 115kV	On-Line
GEN-2013-009IS	19.50	WAPA	Redfield NW 115kV	Commercial Operation
GEN-2013-010	99.00	SUNCMKEC	Tap Spearville - Post Rock (North of GEN-2011-017 Tap) 345kV	On Schedule for 2018
GEN-2013-011	30.00	AEPW	Turk 138kV	On-Line
GEN-2013-012	147.00	OKGE	Redbud 345kV	On-Line
GEN-2013-016	203.00	SPS	TUCO 345kV	On Schedule for 2017
GEN-2013-019	73.60	LES	Tap Sheldon - Folsom & Pleasant Hill (GEN-2013-002 Tap) 115kV CKT 2	On Suspension
GEN-2013-022	25.00	SPS	Norton 115kV	On Schedule for 2016
GEN-2013-027	150.00	SPS	Tap Tolk - Yoakum 230kV	IA Pending
GEN-2013-028	559.50	GRDA	Tap N Tulsa - GRDA 1 345kV	On Schedule for 2017
GEN-2013-029	300.00	OKGE	Renfrow 345kV	On-Line for 151.6MW
GEN-2013-030	300.00	OKGE	Beaver County 345kV	On Suspension
GEN-2013-032	204.00	NPPD	Antelope 115kV	On Schedule for 2017
GEN-2013-033	28.00	MIDW	Knoll 115kV	On Schedule for 2016
GEN-2014-001	200.60	WERE	Tap Wichita - Emporia Energy Center (GEN-2014-001 Tap) 345kV	On Suspension
GEN-2014-001IS	103.70	WAPA	Newell-Maurine 115kV	FACILITY STUDY STAGE
GEN-2014-002	10.50	OKGE	Tatonga 345kV (GEN-2007-021 POI)	On-Line
GEN-2014-003	15.80	OKGE	Tatonga 345kV (GEN-2007-044 POI)	On-Line
GEN-2014-003IS	91.00	WAPA	Culbertson 115kV	On Schedule
GEN-2014-004	4.00	NPPD	Steele City 115kV (GEN-2011-018 POI)	On-Line
GEN-2014-004IS	384.20	WAPA	Charlie Creek 345kV	FACILITY STUDY STAGE
GEN-2014-005	5.70	OKGE	Minco 345kV (GEN-2011-010 POI)	On-Line
GEN-2014-006IS	125.00	WAPA	Williston 115kV	On Schedule
GEN-2014-010IS	150.00	WAPA	Neset 115kV	On Schedule
GEN-2014-012	225.00	SPS	Tap Hobbs Interchange - Andrews 230kV	On Schedule for 2018
GEN-2014-013	73.50	NPPD	Meadow Grove (GEN-2008-086N2 Sub) 230kV	On-Line
GEN-2014-014IS	151.50	WAPA	Belfield-Rhame 230kV	On Schedule
GEN-2014-020	100.00	AEPW	Tuttle 138kV	On Schedule for 2017
GEN-2014-021	300.00	KCPL	Tap Nebraska City - Mullin Creek 345kV	On Schedule for 2016
GEN-2014-025	2.40	MIDW	Walnut Creek 69kV	On-Line
GEN-2014-028	35.00	EMDE	Riverton 161kV	On Schedule for 2016
GEN-2014-031	35.80	NPPD	Meadow Grove 230kV	On-Line
GEN-2014-032	10.20	NPPD	Meadow Grove 230kV	On Schedule for 2016
GEN-2014-033	70.00	SPS	Chaves County 115kV	On Schedule for 2016

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2014-034	70.00	SPS	Chaves County 115kV	On Schedule for 2016
GEN-2014-035	30.00	SPS	Chaves County 115kV	On Schedule for 2018
GEN-2014-037	200.00	SPS	Tap Hitchland - Beaver County Dbl Ckt (Optima) 345kV	FACILITY STUDY STAGE
GEN-2014-039	73.40	NPPD	Friend 115kV	On Schedule for 2017
GEN-2014-040	320.40	SPS	Castro 115kV	On Schedule for 2016
GEN-2014-041	120.80	SUNCMKEC	Arnold 115kV	On Suspension
GEN-2014-047	40.00	SPS	Crossroads 345kV	On Schedule for 2017
GEN-2014-056	250.00	OKGE	Minco 345kV	On Schedule for 2016
GEN-2014-057	250.00	AEPW	Tap Lawton - Sunnyside (Terry Road) 345kV	On Schedule for 2016
GEN-2014-064	248.40	OKGE	Otter 138kV	On Suspension
GEN-2014-074	152.00	SPS	Tap TUCO Interchange - Oklaunion (GEN-2014-074 Tap) 345kV	FACILITY STUDY STAGE
GEN-2015-001	200.00	OKGE	Ranch Road 345kV	On Schedule for 2016
GEN-2015-004	52.90	OKGE	Border 345kV	On Schedule for 2017
GEN-2015-005	200.10	KCPL	Tap Nebraska City - Sibley 345kV	On Schedule for 2017
GEN-2015-007	160.00	NPPD	Hoskins 345kV	IA Pending
GEN-2015-013	120.00	WFEC	Synder 138kV	FACILITY STUDY STAGE
GEN-2015-014	150.00	SPS	Tap Cochran - Lehman 115kV	FACILITY STUDY STAGE
GEN-2015-015	154.60	OKGE	Tap Medford Tap - Coyote 138kV	On Schedule for 2017
GEN-2015-016	200.00	KCPL	Tap Marmaton - Centerville 161kV	On Schedule for 2018
GEN-2015-018	80.00	SPS	Tap Curry County - Bailey 115kV	DISIS STAGE
GEN-2015-020	100.00	SPS	Oasis 115kV	FACILITY STUDY STAGE
GEN-2015-021	20.00	SUNCMKEC	Johnson Corner 115kV	IA Pending
GEN-2015-022	112.00	SPS	Swisher 115kV	FACILITY STUDY STAGE
GEN-2015-023	300.70	NPPD	Holt County 345kV	IA Pending
GEN-2015-024	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT	On Schedule for 2016
GEN-2015-025	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT	On Schedule for 2016
GEN-2015-027	4.90	SUNCMKEC	Crooked Creek 115kV	FACILITY STUDY STAGE
GEN-2015-029	161.00	OKGE	Tatonga 345kV	On Schedule for 2017
GEN-2015-030	200.10	OKGE	Sooner 345kV	On Suspension
GEN-2015-031	150.50	SPS	Tap Amarillo South - Swisher 230kV	FACILITY STUDY STAGE
GEN-2015-033	152.00	SPS	Tap TUCO Interchange - Oklaunion (GEN-2014-074 Tap) 345kV	DISIS STAGE
GEN-2015-034	200.00	OKGE	Ranch Road 345kV	FACILITY STUDY STAGE
GEN-2015-036	303.60	OKGE	Johnston County 345kV	DISIS STAGE
GEN-2015-038	303.60	OKGE	Cimarron 345kV	DISIS STAGE
GEN-2015-039	50.00	SPS	Tap Deaf Smith - Plant X 230kV	DISIS STAGE
GEN-2015-040	50.10	SPS	Mustang 230kV	DISIS STAGE
GEN-2015-041	5.00	SPS	TUCO Interchange 345kV	DISIS STAGE
GEN-2015-042	320.00	NPPD	Tap Hoskins - Twin Church (Dixon County) 230kV	Withdrawn
GEN-2015-045	20.00	AEPW	Tap Lawton - Sunnyside (Terry Road) 345kV	FACILITY STUDY STAGE
GEN-2015-046	300.00	WAPA	Tande 345kV	FACILITY STUDY STAGE
GEN-2015-047	300.00	OKGE	Sooner 345kV	FACILITY STUDY STAGE
GEN-2015-048	200.00	OKGE	Cleo Corner 138kV	FACILITY STUDY STAGE
GEN-2015-052	300.00	WERE	Tap Open Sky - Rose Hill 345kV	FACILITY STUDY STAGE
GEN-2015-053	50.00	NPPD	Antelope 115kV	FACILITY STUDY STAGE
GEN-2015-055	40.00	WFEC	Erick 138kV	FACILITY STUDY STAGE
GEN-2015-056	101.20	SPS	Crossroads 345kV	FACILITY STUDY STAGE
GEN-2015-057	100.00	OKGE	Minco 345kV	FACILITY STUDY STAGE
GEN-2015-058	50.00	SPS	Atoka 115kV	FACILITY STUDY STAGE

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2015-059	6.30	OKGE	Minco 345kV	DISIS STAGE
GEN-2015-060	250.50	OKGE	Woodward EHV 138kV	FACILITY STUDY STAGE
GEN-2015-061	200.00	SUNCMKEC	Mingo 345kV	FACILITY STUDY STAGE
GEN-2015-062	4.50	OKGE	Tap and Tie South 4th - Bunch Creek & Enid Tap - Fairmont (GEN-2012-033T) 138kV	FACILITY STUDY STAGE
GEN-2015-063	300.00	OKGE	Tap Woodring - Mathewson 345kV	FACILITY STUDY STAGE
GEN-2015-064	197.80	SUNCMKEC	Mingo 115kV	FACILITY STUDY STAGE
GEN-2015-065	202.40	SUNCMKEC	Mingo 345kV	FACILITY STUDY STAGE
GEN-2015-066	248.40	OKGE	Tap Cleveland - Sooner 345kV	FACILITY STUDY STAGE
GEN-2015-067	150.00	OKGE	Sooner 138kV	FACILITY STUDY STAGE
GEN-2015-068	300.00	SPS	TUCO Interchange 345kV	FACILITY STUDY STAGE
GEN-2015-069	300.00	WERE	Union Ridge 230kV	FACILITY STUDY STAGE
GEN-2015-071	200.00	AEPW	Chisholm 345kV	FACILITY STUDY STAGE
GEN-2015-073	200.10	WERE	Emporia Energy Center 345kV	FACILITY STUDY STAGE
GEN-2015-075	51.50	SPS	Carlisle 69kV	FACILITY STUDY STAGE
GEN-2015-076	158.40	NPPD	Belden 115kV	FACILITY STUDY STAGE
GEN-2015-078	50.10	SPS	Mustang 115kV	DISIS STAGE
GEN-2015-079	129.20	SPS	Tap Yoakum - Hobbs Interchange 230kV	FACILITY STUDY STAGE
GEN-2015-080	129.20	SPS	Tap Yoakum - Hobbs Interchange 230kV	FACILITY STUDY STAGE
GEN-2015-081	180.00	OKGE	Tap Woodward - Tatonga (GEN-2011-051 Tap) 345kV	FACILITY STUDY STAGE
GEN-2015-082	200.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (GEN-2011-014 Tap) 345kV	DISIS STAGE
GEN-2015-083	125.00	WERE	Belle Plain 138kV	FACILITY STUDY STAGE
GEN-2015-084	51.30	AEPW	Hollis 138kV	FACILITY STUDY STAGE
GEN-2015-085	122.40	AEPW	Altus Junction 138kV	FACILITY STUDY STAGE
GEN-2015-087	66.00	NPPD	Tap Fairbury - Hebron 115kV	FACILITY STUDY STAGE
GEN-2015-088	300.00	NPPD	Tap Moore - Pauline 345kV	FACILITY STUDY STAGE
GEN-2015-089	200.00	WAPA	Utica 230kV	DISIS STAGE
GEN-2015-090	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT	FACILITY STUDY STAGE
GEN-2015-091	101.20	WAPA	Daglum 230kV	FACILITY STUDY STAGE
GEN-2015-092	250.00	AEPW	Tap Lawton - Sunnyside (Terry Road) 345kV	FACILITY STUDY STAGE
GEN-2015-093	250.00	OKGE	Gracemont 345kV	FACILITY STUDY STAGE
GEN-2015-095	176.00	WFEC	Tap Rose Valley - Mooreland 138kV	DISIS STAGE
GEN-2015-096	150.00	WAPA	Tap Belfied - Rhame 230kV	FACILITY STUDY STAGE
GEN-2015-097	100.00	WAPA	Groton 115kV	FACILITY STUDY STAGE
GEN-2015-098	100.00	WAPA	Mingusville 230kV	FACILITY STUDY STAGE
GEN-2016-001	300.30	OKGE	Tap Badger - Woodward 345kV	DISIS STAGE
GEN-2016-002	74.00	SPS	Happy Interchange 115kV	DISIS STAGE
GEN-2016-003	248.40	OKGE	Tap Badger - Woodward 345kV	DISIS STAGE
GEN-2016-004	202.00	WAPA	Leland Olds 230kV	DISIS STAGE
GEN-2016-005	150.00	SUNCMKEC	Tap Clark County - Thistle 345kV	DISIS STAGE
GEN-2016-007	100.00	WAPA	Valley City 115kV	DISIS STAGE
GEN-2016-008	40.00	WFEC	Granite 69kV	DISIS STAGE
GEN-2016-009	29.00	OKGE	Osage 69kV	DISIS STAGE
GEN-2016-012	200.00	WERE	Tap Wolf Creek - LaCygne 345kV	DISIS STAGE
GEN-2016-013	10.00	EMDE	La Russell 161kV	DISIS STAGE
GEN-2016-014	10.00	EMDE	La Russell 161kV	DISIS STAGE
GEN-2016-015	100.00	SPS	Andrews 230kV	DISIS STAGE
GEN-2016-016	78.20	MIDW	North Kinsley 115kV	DISIS STAGE
GEN-2016-017	250.70	WAPA	Tap Fort Thompson - Leland Olds 345kV	DISIS STAGE

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2016-020	150.00	WFEC	Mooreland 138kV	DISIS STAGE
GEN-2016-021	300.00	NPPD	Hoskins 345kV	DISIS STAGE
GEN-2016-022	151.80	OKGE	Ranch Road 345kV	DISIS STAGE
GEN-2016-023	150.50	WAPA	Tap Laramie River – Sidney 345kV	DISIS STAGE
GEN-2016-024	50.00	WERE	Midian 138kV	DISIS STAGE
GEN-2016-028	100.00	AEPW	Clayton 138kV	DISIS STAGE
GEN-2016-029	150.50	WAPA	Tap Laramie River – Sidney 345kV	DISIS STAGE
GEN-2016-030	100.00	OKGE	Brown 138kV	DISIS STAGE
GEN-2016-031	1.50	OKGE	Ranch Road 345kV	DISIS STAGE
GEN-2016-032	200.00	OKGE	Tap Marshall - Cottonwood Creek 138kV	DISIS STAGE
GEN-2016-034	90.00	WAPA	Tap Laramie River – Sidney 345kV	DISIS STAGE
GEN-2016-037	300.00	AEPW	Tap Chisholm - Gracemont 345kV	DISIS STAGE
GEN-2016-038	300.00	SPS	Harrington 230kV	DISIS STAGE
GEN-2016-039	112.00	SPS	Swisher 115kV	DISIS STAGE
GEN-2016-040	18.40	KCPL	Tap Nebraska City – Sibley 345kV	DISIS STAGE
GEN-2016-041	100.00	SPS	Hitchland 345kV	DISIS STAGE
GEN-2016-042	20.90	AEPW	Tap Lawton - Sunnyside 345kV	DISIS STAGE
GEN-2016-043	230.00	NPPD	Hoskins 345kV	DISIS STAGE
GEN-2016-044	400.00	WAPA	Tap Groton - Leland Olds 345kV	DISIS STAGE
GEN-2016-045	500.00	OKGE	Mathewson 345kV	DISIS STAGE
GEN-2016-046	299.00	SUCMKEC	Tap Clark County - Ironwood 345kV	DISIS STAGE
GEN-2016-047	402.00	OKGE	Mustang 69kV	DISIS STAGE
GEN-2016-048	74.00	OKGE	Sooner 138kV	DISIS STAGE
GEN-2016-049	310.00	SUCMKEC	Tap Spearville - Post Rock 345kV	DISIS STAGE
GEN-2016-050	250.70	NPPD	Tap Axtell - Post Rock 345kV	DISIS STAGE
GEN-2016-051	9.80	AEPW	Tap Clinton Junction - Weatherford Southeast 138kV	DISIS STAGE
GEN-2016-052	3.30	WAPA	Hilken 230kV	DISIS STAGE
GEN-2016-053	3.30	WAPA	Hilken 230kV	DISIS STAGE
GEN-2016-054	3.40	WAPA	Wessington Springs 230kV	DISIS STAGE
GEN-2016-055	126.50	NPPD	Tap Pauline - Hildreth (Rosemont) 115kV	DISIS STAGE
GEN-2016-056	200.00	SPS	Carlisle 230kV	DISIS STAGE
GEN-2016-057	500.00	OKGE	Mathewson 345kV	DISIS STAGE
GEN-2016-058	200.00	SPS	Yoakum 345kV	DISIS STAGE
GEN-2016-059	300.00	SPS	Harrington 230kV	DISIS STAGE
GEN-2016-060	25.00	WERE	Belle Plain 138kV	DISIS STAGE
GEN-2016-061	250.70	OKGE	Tap Woodring - Sooner 345kV	DISIS STAGE
GEN-2016-062	250.70	SPS	Andrews 230kV	DISIS STAGE
GEN-2016-063	200.00	OKGE	Tap Sunnyside – Hugo 345kV	DISIS STAGE
GEN-2016-064	116.00	NPPD	Tap Pauline - Hildreth (Rosemont) 115kV	DISIS STAGE
GEN-2016-065	6.80	WAPA	Tap Belfield - Rhame (Daglum) 230kV	DISIS STAGE
GEN-2016-066	13.00	WAPA	Tap Belfield - Rhame (Daglum) 230kV	DISIS STAGE
GEN-2016-067	73.60	SUCMKEC	Mingo 345kV	DISIS STAGE
GEN-2016-068	250.00	OKGE	Woodring 345kV	DISIS STAGE
GEN-2016-069	31.35	SPS	Chaves County 115kV	DISIS STAGE
GEN-2016-070	5.30	SPS	Martin 115kV	DISIS STAGE
GEN-2016-071	200.10	OKGE	Chilocco 138kV	DISIS STAGE
GEN-2016-072	300.00	OKGE	Tap Hunter - Renfrow 345kV	DISIS STAGE
GEN-2016-073	220.00	WERE	Tap Thistle – Wichita 345kV Dbl CKT	DISIS STAGE
GEN-2016-075	50.00	WAPA	Tap Fort Thompson - Grand Island 345kV	DISIS STAGE
Gray County Wind (Montezuma)	110.00	SUNCMKEC	Gray County Tap 115kV	On-Line

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
J003	20.00	MDU	Baker 115kV	MISO Queued Request
J249	180.00	MDU	MDU Tatanka 230kV	MISO Queued Request
J262	100.00	OTP	Jamestown 345	MISO Queued Request
J263	100.00	OTP	Jamestown 345	MISO Queued Request
J290	150.00	XEL	Tap Glenboro South - Rugby 230kV	MISO Queued Request
J316	150.00	MDU	MDU 230 kV Tatanka-Ellendale line	MISO Queued Request
J436	150.00	OTP	Big Stone South 345kV	MISO Queued Request
J437	150.00	OTP	Big Stone South 345kV	MISO Queued Request
J442	200.00	OTP	Big Stone 230 kV	MISO Queued Request
Llano Estacado (White Deer)	80.00	SPS	Llano Wind 115kV	On-Line
MPC01200	44.00	OTP	Sidney 230kV	
MPC02100	100.00	OTP	Sidney 230kV	
NPPD Distributed (Broken Bow)	8.30	NPPD	Broken Bow 115kV	On-Line
NPPD Distributed (Buffalo County Solar)	10.00	NPPD	Kearney Northeast	On-Line
NPPD Distributed (Burt County Wind)	12.00	NPPD	Tekamah & Oakland 115kV	On-Line
NPPD Distributed (Burwell)	3.00	NPPD	Ord 115kV	On-Line
NPPD Distributed (Columbus Hydro)	45.00	NPPD	Columbus 115kV	On-Line
NPPD Distributed (North Platte - Lexington)	54.00	NPPD	Multiple: Jeffrey 115kV, John_1 115kV, John_2 115kV	On-Line
NPPD Distributed (Ord)	11.90	NPPD	Ord 115kV	On-Line
NPPD Distributed (Stuart)	2.10	NPPD	Ainsworth 115kV	On-Line
SPS Distributed (Dumas 19th St)	20.00	SPS	Dumas 19th Street 115kV	On-Line
SPS Distributed (Etter)	20.00	SPS	Etter 115kV	On-Line
SPS Distributed (Hopi)	10.00	SPS	Hopi 115kV	On-Line
SPS Distributed (Jal)	10.00	SPS	S Jal 115kV	On-Line
SPS Distributed (Lea Road)	10.00	SPS	Lea Road 115kV	On-Line
SPS Distributed (Monument)	10.00	SPS	Monument 115kV	On-Line
SPS Distributed (Moore E)	25.00	SPS	Moore East 115kV	On-Line
SPS Distributed (Ocotillo)	10.00	SPS	S_Jal 115kV	On-Line
SPS Distributed (Sherman)	20.00	SPS	Sherman 115kV	On-Line
SPS Distributed (Spearman)	10.00	SPS	Spearman 69kV	On-Line
SPS Distributed (TC-Texas County)	20.00	SPS	Texas County 115kV	On-Line
SPS Distributed (Yuma)	2.57	SPS	SP-Yuma 69kV	On-Line
Total:	53,489.4			

10.3 C: Study Groupings

See next page.

C. Study Groups

GROUP 1: WOODWARD AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-014	96.00	WFEC	Ft Supply 138kV
GEN-2001-037	100.00	OKGE	FPL Moreland Tap 138kV
GEN-2005-008	120.00	OKGE	Woodward 138kV
GEN-2006-024S	19.80	WFEC	Buffalo Bear Tap 69kV
GEN-2006-046	131.00	OKGE	Dewey 138kV
GEN-2007-021	201.00	OKGE	Tatonga 345kV
GEN-2007-043	200.00	OKGE	Minco 345kV
GEN-2007-044	300.00	OKGE	Tatonga 345kV
GEN-2007-050	170.00	OKGE	Woodward EHV 138kV
GEN-2007-062	765.00	OKGE	Woodward EHV 345kV
GEN-2008-003	101.00	OKGE	Woodward EHV 138kV
GEN-2008-044	197.80	OKGE	Tatonga 345kV
GEN-2010-011	29.70	OKGE	Tatonga 345kV
GEN-2010-040	300.00	OKGE	Cimarron 345kV
GEN-2011-010	100.80	OKGE	Minco 345kV
GEN-2011-019	299.00	OKGE	Woodward 345kV
GEN-2011-020	299.00	OKGE	Woodward 345kV
GEN-2011-051	104.40	OKGE	Tap Woodward - Tatonga 345kV (GEN-2011-051 Tap)
GEN-2011-054	300.00	OKGE	Cimarron 345kV
GEN-2014-002	10.50	OKGE	Tatonga 345kV (GEN-2007-021 POI)
GEN-2014-003	15.80	OKGE	Tatonga 345kV (GEN-2007-044 POI)
GEN-2014-005	5.70	OKGE	Minco 345kV (GEN-2011-010 POI)
GEN-2014-020	100.00	AEPW	Tuttle 138kV
GEN-2014-056	250.00	OKGE	Minco 345kV
GEN-2015-029	161.00	OKGE	Tatonga 345kV
GEN-2015-038	303.60	OKGE	Cimarron 345kV
GEN-2015-048	200.00	OKGE	Cleo Corner 138kV
GEN-2015-057	100.00	OKGE	Minco 345kV
GEN-2015-059	6.30	OKGE	Minco 345kV
GEN-2015-060	250.50	OKGE	Woodward EHV 138kV
GEN-2015-081	180.00	OKGE	Tap Woodward - Tatonga (GEN-2011-051 Tap) 345kV
GEN-2015-093	250.00	OKGE	Gracemont 345kV
GEN-2015-095	176.00	WFEC	Tap Rose Valley - Mooreland 138kV
GEN-2016-003	248.40	OKGE	Tap Badger - Woodward 345kV
GEN-2016-020	150.00	WFEC	Mooreland 138kV
GEN-2016-045	500.00	OKGE	Mathewson 345kV
GEN-2016-047	402.00	OKGE	Mustang 69kV
GEN-2016-057	500.00	OKGE	Mathewson 345kV
PRIOR QUEUED SUBTOTAL	7,644.30		
AREA TOTAL	7,644.30		

GROUP 2: HITCHLAND AREA

Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2011-002	20.00	SPS	Herring 115kV
ASGI-2013-001	11.50	SPS	PanTex South 115kV
GEN-2002-008	240.00	SPS	Hitchland 345kV
GEN-2002-009	80.00	SPS	Hansford 115kV
GEN-2002-022	240.00	SPS	Bushland 230kV
GEN-2003-020	160.00	SPS	Martin 115kV
GEN-2006-020S	18.90	SPS	DWS Frisco 115kV
GEN-2006-044	370.00	SPS	Hitchland 345kV
GEN-2007-046	200.00	SPS	Hitchland 115kV
GEN-2008-047	300.00	OKGE	Beaver County 345kV
GEN-2008-051	322.00	SPS	Potter County 345kV
GEN-2010-001	300.00	OKGE	Beaver County 345kV
GEN-2010-014	358.80	SPS	Hitchland 345kV
GEN-2011-014	201.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (GEN-2011-014 Tap) 345kV
GEN-2011-022	299.00	SPS	Hitchland 345kV
GEN-2013-030	300.00	OKGE	Beaver County 345kV
GEN-2014-037	200.00	SPS	Tap Hitchland - Beaver County Dbl Ckt (Optima) 345kV
GEN-2015-082	200.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (GEN-2011-014 Tap) 345kV
GEN-2016-001	300.30	OKGE	Tap Badger - Woodward 345kV
GEN-2016-041	100.00	SPS	Hitchland 345kV
GEN-2016-070	5.30	SPS	Martin 115kV
Llano Estacado (White Deer)	80.00	SPS	Llano Wind 115kV
SPS Distributed (Dumas 19th St)	20.00	SPS	Dumas 19th Street 115kV
SPS Distributed (Etter)	20.00	SPS	Etter 115kV
SPS Distributed (Moore E)	25.00	SPS	Moore East 115kV
SPS Distributed (Sherman)	20.00	SPS	Sherman 115kV
SPS Distributed (Spearman)	10.00	SPS	Spearman 69kV
SPS Distributed (TC-Texas County)	20.00	SPS	Texas County 115kV
PRIOR QUEUED SUBTOTAL	4,421.80		
AREA TOTAL	4,421.80		

GROUP 3: SPEARVILLE AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2012-006	22.50	SUNCMKEC	Tap Hugoton - Rolla 69kV
ASGI-2015-001	6.13	SUNCMKEC	Ninnescah 115kV
GEN-2001-039A	105.00	SUNCMKEC	Shooting Star Tap 115kV
GEN-2002-025A	150.00	SUNCMKEC	Spearville 230kV
GEN-2004-014	154.50	SUNCMKEC	Spearville 230kV
GEN-2005-012	250.00	SUNCMKEC	Ironwood 345kV
GEN-2006-021	101.00	SUNCMKEC	Flat Ridge Tap 138kV
GEN-2007-040	200.00	SUNCMKEC	Buckner 345kV
GEN-2008-018	250.00	SPS	Finney 345kV
GEN-2008-079	99.20	SUNCMKEC	Crooked Creek 115kV
GEN-2008-124	200.10	SUNCMKEC	Ironwood 345kV
GEN-2010-009	165.60	SUNCMKEC	Buckner 345kV
GEN-2010-045	197.80	SUNCMKEC	Buckner 345kV
GEN-2011-008	600.00	SUNCMKEC	Clark County 345kV
GEN-2011-016	200.10	SUNCMKEC	Ironwood 345kV
GEN-2012-007	120.00	SUNCMKEC	Rubart 115kV
GEN-2012-024	180.00	SUNCMKEC	Clark County 345kV
GEN-2013-010	99.00	SUNCMKEC	Tap Spearville - Post Rock (North of GEN-2011-017 Tap) 345kV
GEN-2015-021	20.00	SUNCMKEC	Johnson Corner 115kV
GEN-2015-027	4.90	SUNCMKEC	Crooked Creek 115kV
GEN-2016-005	150.00	SUNCMKEC	Tap Clark County - Thistle 345kV
GEN-2016-016	78.20	MIDW	North Kinsley 115kV
GEN-2016-046	299.00	SUNCMKEC	Tap Clark County - Ironwood 345kV
GEN-2016-049	310.00	SUNCMKEC	Tap Spearville - Post Rock 345kV
Gray County Wind (Montezuma)	110.00	SUNCMKEC	Gray County Tap 115kV
PRIOR QUEUED SUBTOTAL	4,073.03		
AREA TOTAL	4,073.03		

GROUP 4: NORTHWEST KANSAS AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2013-004	36.60	SUNCMKEC	Morris 115kV
GEN-2001-039M	100.00	SUNCMKEC	Central Plains Tap 115kV
GEN-2003-006A	200.00	SUNCMKEC	Elm Creek 230kV
GEN-2003-019	250.00	MIDW	Smoky Hills Tap 230kV
GEN-2006-031	75.00	MIDW	Knoll 115kV
GEN-2008-092	200.60	MIDW	Post Rock 230kV
GEN-2009-008	199.50	MIDW	South Hays 230kV
GEN-2009-020	48.30	MIDW	Walnut Creek 69kV
GEN-2010-048	70.00	MIDW	Tap Beach Station - Redline 115kV
GEN-2010-057	201.00	MIDW	Rice County 230kV
GEN-2013-033	28.00	MIDW	Knoll 115kV
GEN-2014-025	2.40	MIDW	Walnut Creek 69kV
GEN-2014-041	120.80	SUNCMKEC	Arnold 115kV
GEN-2015-061	200.00	SUNCMKEC	Mingo 345kV
GEN-2015-064	197.80	SUNCMKEC	Mingo 115kV
GEN-2015-065	202.40	SUNCMKEC	Mingo 345kV
GEN-2016-067	73.60	SUNCMKEC	Mingo 345kV
PRIOR QUEUED SUBTOTAL	2,206.00		
AREA TOTAL	2,206.00		

GROUP 6: SOUTH TEXAS PANHANDLE/NEW MEXICO AREA

Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-010	42.20	SPS	Lovington 115kV
ASGI-2010-020	30.00	SPS	Tap LE-Tatum - LE-Crossroads 69kV
ASGI-2010-021	15.00	SPS	Tap LE-Saunders Tap - LE-Anderson 69kV
ASGI-2011-001	27.30	SPS	Lovington 115kV
ASGI-2011-003	10.00	SPS	Hendricks 69kV
ASGI-2011-004	20.00	SPS	Pleasant Hill 69kV
ASGI-2012-002	18.15	SPS	FE-Clovis Interchange 115kV
ASGI-2013-002	18.40	SPS	FE Tucumcari 115kV
ASGI-2013-003	18.40	SPS	FE Clovis 115kV
ASGI-2013-005	1.65	SPS	FE Clovis 115kV
ASGI-2013-006	2.00	SPS	SP-Erskine 115kV
ASGI-2014-001	2.50	SPS	SP-Erskine 115kV
ASGI-2015-002	2.00	SPS	SP-Yuma 69kV
ASGI-2016-001	2.50	SPS	Wolfforth 115kV
ASGI-2016-002	0.35	SPS	Hurlwood 115kV
ASGI-2016-004	9.60	SPS	
GEN-2001-033	180.00	SPS	San Juan Tap 230kV
GEN-2001-036	80.00	SPS	Norton 115kV
GEN-2006-018	170.00	SPS	TUCO Interchange 230kV
GEN-2006-026	502.00	SPS	Hobbs 230kV & Hobbs 115kV
GEN-2008-022	300.00	SPS	Crossroads 345kV
GEN-2010-006	205.00	SPS	Jones 230kV
GEN-2010-046	56.00	SPS	TUCO Interchange 230kV
GEN-2011-025	80.00	SPS	Tap Floyd County - Crosby County 115kV
GEN-2011-045	205.00	SPS	Jones 230kV
GEN-2011-046	27.00	SPS	Lopez 115kV
GEN-2011-048	175.00	SPS	Mustang 230kV
GEN-2012-001	61.20	SPS	Cirrus Tap 230kV
GEN-2012-020	478.00	SPS	TUCO 230kV
GEN-2012-034	7.00	SPS	Mustang 230kV
GEN-2012-035	7.00	SPS	Mustang 230kV
GEN-2012-036	7.00	SPS	Mustang 230kV
GEN-2012-037	203.00	SPS	TUCO 345kV
GEN-2013-016	203.00	SPS	TUCO 345kV
GEN-2013-022	25.00	SPS	Norton 115kV
GEN-2013-027	150.00	SPS	Tap Tolk - Yoakum 230kV
GEN-2014-012	225.00	SPS	Tap Hobbs Interchange - Andrews 230kV
GEN-2014-033	70.00	SPS	Chaves County 115kV
GEN-2014-034	70.00	SPS	Chaves County 115kV
GEN-2014-035	30.00	SPS	Chaves County 115kV
GEN-2014-040	320.40	SPS	Castro 115kV
GEN-2014-047	40.00	SPS	Crossroads 345kV
GEN-2014-074	152.00	SPS	Tap TUCO Interchange - Oklaunion (GEN-2014-074 Tap) 345kV
GEN-2015-014	150.00	SPS	Tap Cochran - Lehman 115kV
GEN-2015-018	80.00	SPS	Tap Curry County - Bailey 115kV
GEN-2015-020	100.00	SPS	Oasis 115kV
GEN-2015-022	112.00	SPS	Swisher 115kV
GEN-2015-031	150.50	SPS	Tap Amarillo South - Swisher 230kV
GEN-2015-033	152.00	SPS	Tap TUCO Interchange - Oklaunion (GEN-2014-074 Tap) 345kV

GEN-2015-039	50.00	SPS	Tap Deaf Smith - Plant X 230kV
GEN-2015-040	50.10	SPS	Mustang 230kV
GEN-2015-041	5.00	SPS	TUCO Interchange 345kV
GEN-2015-056	101.20	SPS	Crossroads 345kV
GEN-2015-058	50.00	SPS	Atoka 115kV
GEN-2015-068	300.00	SPS	TUCO Interchange 345kV
GEN-2015-075	51.50	SPS	Carlisle 69kV
GEN-2015-078	50.10	SPS	Mustang 115kV
GEN-2015-079	129.20	SPS	Tap Yoakum - Hobbs Interchange 230kV
GEN-2015-080	129.20	SPS	Tap Yoakum - Hobbs Interchange 230kV
GEN-2016-002	74.00	SPS	Happy Interchange 115kV
GEN-2016-015	100.00	SPS	Andrews 230kV
GEN-2016-038	300.00	SPS	Harrington 230kV
GEN-2016-039	112.00	SPS	Swisher 115kV
GEN-2016-056	200.00	SPS	Carlisle 230kV
GEN-2016-058	200.00	SPS	Yoakum 345kV
GEN-2016-059	300.00	SPS	Harrington 230kV
GEN-2016-062	250.70	SPS	Andrews 230kV
GEN-2016-069	31.35	SPS	Chaves County 115kV
SPS Distributed (Hopi)	10.00	SPS	Hopi 115kV
SPS Distributed (Jal)	10.00	SPS	S Jal 115kV
SPS Distributed (Lea Road)	10.00	SPS	Lea Road 115kV
SPS Distributed (Monument)	10.00	SPS	Monument 115kV
SPS Distributed (Ocotillo)	10.00	SPS	S_Jal 115kV
SPS Distributed (Yuma)	2.57	SPS	SP-Yuma 69kV
PRIOR QUEUED SUBTOTAL	7,530.07		
GEN-2016-076	396.00	SPS	Crossroads 345kV/Tolk 345kV
GEN-2016-077	50.00	SPS	Ozark Mahoning #1
GEN-2016-078	100.00	SPS	Bailey Bounty 115kV
GEN-2016-085	80.00	SPS	Hobbs 115kV/ Hobbs 230kV
GEN-2016-086	240.00	SPS	Roosevelt 230kV/Roosevelt 115kV
CURRENT CLUSTER SUBTOTAL	866.00		
AREA TOTAL	8,396.07		

GROUP 7: SOUTHWEST OKLAHOMA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-026	74.30	WFEC	Washita 138kV
GEN-2002-005	120.00	WFEC	Red Hills Tap 138kV
GEN-2003-004	100.00	WFEC	Washita 138kV
GEN-2003-005	100.00	WFEC	Anadarko - Paradise (Blue Canyon) 138kV
GEN-2003-022	120.00	AEPW	Weatherford 138kV
GEN-2004-020	27.00	AEPW	Weatherford 138kV
GEN-2004-023	20.60	WFEC	Washita 138kV
GEN-2005-003	30.60	WFEC	Washita 138kV
GEN-2006-002	101.00	AEPW	Sweetwater 230kV
GEN-2006-035	225.00	AEPW	Sweetwater 230kV
GEN-2006-043	99.00	AEPW	Sweetwater 230kV
GEN-2007-052	150.00	WFEC	Anadarko 138kV
GEN-2008-023	150.00	AEPW	Hobart Junction 138kV
GEN-2008-037	101.00	WFEC	Slick Hills 138kV
GEN-2011-037	7.00	WFEC	Blue Canyon 5 138kV
GEN-2011-049	250.70	OKGE	Border 345kV
GEN-2012-028	74.80	WFEC	Gotebo 69kV
GEN-2015-004	52.90	OKGE	Border 345kV
GEN-2015-013	120.00	WFEC	Synder 138kV
GEN-2015-055	40.00	WFEC	Erick 138kV
GEN-2015-071	200.00	AEPW	Chisholm 345kV
GEN-2015-084	51.30	AEPW	Hollis 138kV
GEN-2015-085	122.40	AEPW	Altus Junction 138kV
GEN-2016-008	40.00	WFEC	Granite 69kV
GEN-2016-037	300.00	AEPW	Tap Chisholm - Gracemont 345kV
GEN-2016-051	9.80	AEPW	Tap Clinton Junction - Weatherford Southeast 138kV
PRIOR QUEUED SUBTOTAL	2,687.40		
AREA TOTAL	2,687.40		

GROUP 8: NORTH OKLAHOMA/SOUTH CENTRAL KANSAS AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-006	150.00	AECI	Remington 138kV
ASGI-2014-014	56.40	GRDA	Ferguson 69kV
ASGI-2015-004	56.36	GRDA	Coffeyville City 69kV
GEN-2002-004	200.00	WERE	Latham 345kV
GEN-2005-013	201.00	WERE	Caney River 345kV
GEN-2007-025	300.00	WERE	Viola 345kV
GEN-2008-013	300.00	OKGE	Hunter 345kV
GEN-2008-021	42.00	WERE	Wolf Creek 345kV
GEN-2008-098	100.80	WERE	Waverly 345kV
GEN-2009-025	59.80	OKGE	Nardins 69kV
GEN-2010-003	100.80	WERE	Waverly 345kV
GEN-2010-005	299.20	WERE	Viola 345kV
GEN-2010-055	4.50	AEPW	Wekiwa 138kV
GEN-2011-057	150.40	WERE	Creswell 138kV
GEN-2012-032	300.00	OKGE	Open Sky 345kV
GEN-2012-033	98.10	OKGE	Tap and Tie South 4th - Bunch Creek & Enid Tap - Fairmont (GEN-2012-033T) 138kV
GEN-2012-041	121.50	OKGE	Ranch Road 345kV
GEN-2013-012	147.00	OKGE	Redbud 345kV
GEN-2013-028	559.50	GRDA	Tap N Tulsa - GRDA 1 345kV

GEN-2013-029	300.00	OKGE	Renfrow 345kV
GEN-2014-001	200.60	WERE	Tap Wichita - Emporia Energy Center (GEN-2014-001 Tap) 345kV
GEN-2014-028	35.00	EMDE	Riverton 161kV
GEN-2014-064	248.40	OKGE	Otter 138kV
GEN-2015-001	200.00	OKGE	Ranch Road 345kV
GEN-2015-015	154.60	OKGE	Tap Medford Tap - Coyote 138kV
GEN-2015-016	200.00	KCPL	Tap Marmaton - Centerville 161kV
GEN-2015-024	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT
GEN-2015-025	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT
GEN-2015-030	200.10	OKGE	Sooner 345kV
GEN-2015-034	200.00	OKGE	Ranch Road 345kV
GEN-2015-047	300.00	OKGE	Sooner 345kV
GEN-2015-052	300.00	WERE	Tap Open Sky - Rose Hill 345kV
GEN-2015-062	4.50	OKGE	Tap and Tie South 4th - Bunch Creek & Enid Tap - Fairmont (GEN-2012-033T) 138kV
GEN-2015-063	300.00	OKGE	Tap Woodring - Mathewson 345kV
GEN-2015-066	248.40	OKGE	Tap Cleveland - Sooner 345kV
GEN-2015-067	150.00	OKGE	Sooner 138kV
GEN-2015-069	300.00	WERE	Union Ridge 230kV
GEN-2015-073	200.10	WERE	Emporia Energy Center 345kV
GEN-2015-083	125.00	WERE	Belle Plain 138kV
GEN-2015-090	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT
GEN-2016-009	29.00	OKGE	Osage 69kV
GEN-2016-012	200.00	WERE	Tap Wolf Creek - LaCygne 345kV
GEN-2016-022	151.80	OKGE	Ranch Road 345kV
GEN-2016-024	50.00	WERE	Midian 138kV
GEN-2016-031	1.50	OKGE	Ranch Road 345kV
GEN-2016-032	200.00	OKGE	Tap Marshall - Cottonwood Creek 138kV
GEN-2016-048	74.00	OKGE	Sooner 138kV
GEN-2016-060	25.00	WERE	Belle Plain 138kV
GEN-2016-061	250.70	OKGE	Tap Woodring - Sooner 345kV
GEN-2016-068	250.00	OKGE	Woodring 345kV
GEN-2016-071	200.10	OKGE	Chilocco 138kV
GEN-2016-072	300.00	OKGE	Tap Hunter - Renfrow 345kV
GEN-2016-073	220.00	WERE	Tap Thistle - Wichita 345kV Dbl CKT
PRIOR QUEUED SUBTOTAL	9,526.16		
AREA TOTAL	9,526.16		

GROUP 9: NEBRASKA AREA

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2002-023N	0.80	NPPD	Harmony 115kV
GEN-2003-021N	75.00	NPPD	Ainsworth Wind Tap 115kV
GEN-2004-023N	75.00	NPPD	Columbus Co 115kV
GEN-2006-020N	42.00	NPPD	Bloomfield 115kV
GEN-2006-037N1	75.00	NPPD	Broken Bow 115kV
GEN-2006-038N005	80.00	NPPD	Broken Bow 115kV
GEN-2006-038N019	80.00	NPPD	Petersburg North 115kV
GEN-2006-044N	40.50	NPPD	North Petersburg 115kV
GEN-2007-011N08	81.00	NPPD	Bloomfield 115kV
GEN-2007-017IS	166.00	WAPA	Ft Thompson-Grand Island 345kV
GEN-2007-018IS	234.00	WAPA	Ft Thompson-Grand Island 345kV
GEN-2008-086N02	201.00	NPPD	Meadow Grove 230kV
GEN-2008-1190	60.00	OPPD	S1399 161kV

GEN-2008-123N	89.70	NPPD	Tap Pauline - Hildreth (Rosemont) 115kV
GEN-2009-040	73.80	WERE	Marshall 115kV
GEN-2010-041	10.50	OPPD	S1399 161kV
GEN-2010-051	200.00	NPPD	Tap Hoskins - Twin Church (Dixon County) 230kV
GEN-2011-018	73.60	NPPD	Steele City 115kV
GEN-2011-027	120.00	NPPD	Tap Hoskins - Twin Church (Dixon County) 230kV
GEN-2011-056	3.60	NPPD	Jeffrey 115kV
GEN-2011-056A	3.60	NPPD	John 1 115kV
GEN-2011-056B	4.50	NPPD	John 2 115kV
GEN-2012-021	4.80	LES	Terry Bundy Generating Station 115kV
GEN-2013-002	50.60	LES	Tap Sheldon - Folsom & Pleasant Hill (GEN-2013-002 Tap) 115kV CKT 2
GEN-2013-008	1.20	NPPD	Steele City 115kV
GEN-2013-019	73.60	LES	Tap Sheldon - Folsom & Pleasant Hill (GEN-2013-002 Tap) 115kV CKT 2
GEN-2013-032	204.00	NPPD	Antelope 115kV
GEN-2014-004	4.00	NPPD	Steele City 115kV (GEN-2011-018 POI)
GEN-2014-013	73.50	NPPD	Meadow Grove (GEN-2008-086N2 Sub) 230kV
GEN-2014-031	35.80	NPPD	Meadow Grove 230kV
GEN-2014-032	10.20	NPPD	Meadow Grove 230kV
GEN-2014-039	73.40	NPPD	Friend 115kV
GEN-2015-007	160.00	NPPD	Hoskins 345kV
GEN-2015-023	300.70	NPPD	Holt County 345kV
GEN-2015-042	320.00	NPPD	Tap Hoskins - Twin Church (Dixon County) 230kV
GEN-2015-053	50.00	NPPD	Antelope 115kV
GEN-2015-076	158.40	NPPD	Belden 115kV
GEN-2015-087	66.00	NPPD	Tap Fairbury - Hebron 115kV
GEN-2015-088	300.00	NPPD	Tap Moore - Pauline 345kV
GEN-2016-021	300.00	NPPD	Hoskins 345kV
GEN-2016-023	150.50	WAPA	Tap Laramie River – Sidney 345kV
GEN-2016-029	150.50	WAPA	Tap Laramie River – Sidney 345kV
GEN-2016-034	90.00	WAPA	Tap Laramie River – Sidney 345kV
GEN-2016-043	230.00	NPPD	Hoskins 345kV
GEN-2016-050	250.70	NPPD	Tap Axtell - Post Rock 345kV
GEN-2016-055	126.50	NPPD	Tap Pauline - Hildreth (Rosemont) 115kV
GEN-2016-064	116.00	NPPD	Tap Pauline - Hildreth (Rosemont) 115kV
GEN-2016-075	50.00	WAPA	Tap Fort Thompson - Grand Island 345kV
NPPD Distributed (Broken Bow)	8.30	NPPD	Broken Bow 115kV
NPPD Distributed (Buffalo County Solar)	10.00	NPPD	Kearney Northeast
NPPD Distributed (Burt County Wind)	12.00	NPPD	Tekamah & Oakland 115kV
NPPD Distributed (Burwell)	3.00	NPPD	Ord 115kV
NPPD Distributed (Columbus Hydro)	45.00	NPPD	Columbus 115kV
NPPD Distributed (North Platte - Lexington)	54.00	NPPD	Multiple: Jeffrey 115kV, John_1 115kV, John_2 115kV
NPPD Distributed (Ord)	11.90	NPPD	Ord 115kV
NPPD Distributed (Stuart)	2.10	NPPD	Ainsworth 115kV
PRIOR QUEUED SUBTOTAL	5,286.30		
GEN-2016-074	200.00	NPPD	Tap Sweetwater - Gentleman 345kV/Crooked Creek - North Platte 230kV
GEN-2016-079	160.00	NPPD	Sidney 115kV/Sidney 230kV
CURRENT CLUSTER SUBTOTAL	360.00		
AREA TOTAL	5,646.30		

GROUP 10: SOUTHEAST OKLAHOMA/NORTHEAST TEXAS AREA

Request	Capacity	Area	Proposed Point of Interconnection
AREA TOTAL	0.00		

GROUP 12: NORTHWEST ARKANSAS AREA

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2013-011	30.00	AEPW	Turk 138kV
PRIOR QUEUED SUBTOTAL	30.00		
AREA TOTAL	30.00		

GROUP 13: NORTHWEST MISSOURI AREA

Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2016-003	6.00	KCPL	
GEN-2008-129	80.00	KCPL	Pleasant Hill 161kV
GEN-2010-036	4.60	WERE	6th Street 115kV
GEN-2011-011	50.00	KCPL	Iatan 345kV
GEN-2014-021	300.00	KCPL	Tap Nebraska City - Mullin Creek 345kV
GEN-2015-005	200.10	KCPL	Tap Nebraska City - Sibley 345kV
GEN-2016-013	10.00	EMDE	La Russell 161kV
GEN-2016-014	10.00	EMDE	La Russell 161kV
GEN-2016-040	18.40	KCPL	Tap Nebraska City – Sibley 345kV
PRIOR QUEUED SUBTOTAL	679.10		
AREA TOTAL	679.10		

GROUP 14: SOUTH CENTRAL OKLAHOMA AREA

Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2015-006	9.00	SWPA	Tupelo 138kV
GEN-2011-040	111.00	OKGE	Carter County 138kV
GEN-2011-050	109.80	AEPW	Santa Fe Tap 138kV
GEN-2012-004	41.40	OKGE	Carter County 138kV
GEN-2013-007	100.30	OKGE	Tap Prices Falls - Carter 138kV
GEN-2014-057	250.00	AEPW	Tap Lawton - Sunnyside (Terry Road) 345kV
GEN-2015-036	303.60	OKGE	Johnston County 345kV
GEN-2015-045	20.00	AEPW	Tap Lawton - Sunnyside (Terry Road) 345kV
GEN-2015-092	250.00	AEPW	Tap Lawton - Sunnyside (Terry Road) 345kV
GEN-2016-028	100.00	AEPW	Clayton 138kV
GEN-2016-030	100.00	OKGE	Brown 138kV
GEN-2016-042	20.90	AEPW	Tap Lawton - Sunnyside 345kV
GEN-2016-063	200.00	OKGE	Tap Sunnyside – Hugo 345kV
PRIOR QUEUED SUBTOTAL	1,616.00		
AREA TOTAL	1,616.00		

GROUP 15: E-SOUTH DAKOTA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2016-005	20.00	WAPA	Tap White Lake - Stickeny 69kV
ASGI-2016-006	20.00	WAPA	Mitchall
ASGI-2016-007	20.00	WAPA	Kimball 69kV
G176	100.00	XEL	Yankee 115kV
G255	100.00	XEL	Yankee 115kV
G586	30.00	XEL	Yankee 115kV
G736	200.00	OTP	Big Stone South 230kV
GEN-2002-009IS	40.00	WAPA	Ft Thompson 69kV [Hyde 69kV]
GEN-2007-013IS	50.00	WAPA	Wessington Springs 230kV
GEN-2007-014IS	100.00	WAPA	Wessington Springs 230kV
GEN-2007-023IS	50.00	WAPA	Formit-Summit 115kV
GEN-2009-001IS	200.00	WAPA	Groton-Watertown 345kV
GEN-2009-018IS	100.00	WAPA	Groton 115kV
GEN-2010-001IS	99.00	WAPA	Bismarck-Glenham 230kV
GEN-2010-003IS	34.00	WAPA	Wessington Springs 230kV
GEN-2012-014IS	99.50	WAPA	Groton 115kV
GEN-2013-001IS	90.00	WAPA	Summit-Watertown 115kV
GEN-2013-009IS	19.50	WAPA	Redfield NW 115kV
GEN-2014-001IS	103.70	WAPA	Newell-Maurine 115kV
GEN-2015-097	100.00	WAPA	Groton 115kV
GEN-2016-017	250.70	WAPA	Tap Fort Thompson - Leland Olds 345kV
J436	150.00	OTP	Big Stone South 345kV
J437	150.00	OTP	Big Stone South 345kV
J442	200.00	OTP	Big Stone 230 kV
PRIOR QUEUED SUBTOTAL	2,326.40		
AREA TOTAL	2,326.40		

GROUP 16: W-NORTH DAKOTA AREA			
Request	Capacity	Area	Proposed Point of Interconnection

G359	150.00	MDU	MDU 230 kV system near Ellendale
G380	150.00	OTP	Rugby 115kV
G408	12.00	XEL	Tap McHenry - Souris 115kV
G502	50.60	MP	Milton Young 230kV
G645	50.00	GRE	Ladish 115kV
G723	10.00	MDU	Haskett 115kV
G752	150.00	MDU	Tap Bison - Hettinger 230kV
G788	49.00	GRE	Ladish 115kV
G830	99.00	GRE	GRE McHenry 115kV
GEN-2005-008IS	50.00	WAPA	Hilken 230kV [Ecklund 230kV]
GEN-2006-015IS	50.00	WAPA	Hilken 230kV [Ecklund 230kV]
GEN-2007-015IS	100.00	WAPA	Hilken 230kV [Ecklund 230kV]
GEN-2007-027IS	99.00	WAPA	Bismarck-Garrison 230kV #1
GEN-2009-026IS	110.00	WAPA	Dickenson-Heskett 230kV
GEN-2010-007IS	172.50	WAPA	Antelope Valley 345kV
GEN-2012-006IS	125.01	WAPA	Williston-Ch. Creek 230kV
GEN-2012-012IS	75.00	WAPA	Wolf Point-Circle 115kV
GEN-2014-003IS	91.00	WAPA	Culbertson 115kV
GEN-2014-004IS	384.20	WAPA	Charlie Creek 345kV
GEN-2014-006IS	125.00	WAPA	Williston 115kV
GEN-2014-010IS	150.00	WAPA	Neset 115kV
GEN-2014-014IS	151.50	WAPA	Belfield-Rhame 230kV
GEN-2015-046	300.00	WAPA	Tande 345kV
GEN-2015-091	101.20	WAPA	Daglum 230kV
GEN-2015-096	150.00	WAPA	Tap Belfied - Rhame 230kV
GEN-2015-098	100.00	WAPA	Mingusville 230kV
GEN-2016-004	202.00	WAPA	Leland Olds 230kV
GEN-2016-044	400.00	WAPA	Tap Groton - Leland Olds 345kV
GEN-2016-052	3.30	WAPA	Hilken 230kV
GEN-2016-053	3.30	WAPA	Hilken 230kV
GEN-2016-065	6.80	WAPA	Tap Belfield - Rhame (Daglum) 230kV
GEN-2016-066	13.00	WAPA	Tap Belfield - Rhame (Daglum) 230kV
J003	20.00	MDU	Baker 115kV
J249	180.00	MDU	MDU Tatanka 230kV
J262	100.00	OTP	Jamestown 345
J263	100.00	OTP	Jamestown 345
J290	150.00	XEL	Tap Glenboro South - Rugby 230kV
J316	150.00	MDU	MDU 230 kV Tatanka-Ellendale line
MPC01200	44.00	OTP	Sidney 230kV
MPC02100	100.00	OTP	Sidney 230kV
PRIOR QUEUED SUBTOTAL	4,527.41		
AREA TOTAL	0.00		

GROUP 17: W-SOUTH DAKOTA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2006-002IS	51.00	WAPA	Wessington Springs 230kV
GEN-2009-006IS	90.00	WAPA	Mission 115kV
GEN-2009-007IS	100.00	WAPA	Mission 115kV
GEN-2009-020AIS	130.50	WAPA	Tripp Junction 115kV
GEN-2012-009IS	99.00	WAPA	Fort Randall 115kV
GEN-2015-089	200.00	WAPA	Utica 230kV
GEN-2016-054	3.40	WAPA	Wessington Springs 230kV
PRIOR QUEUED SUBTOTAL	673.90		
AREA TOTAL	0.00		

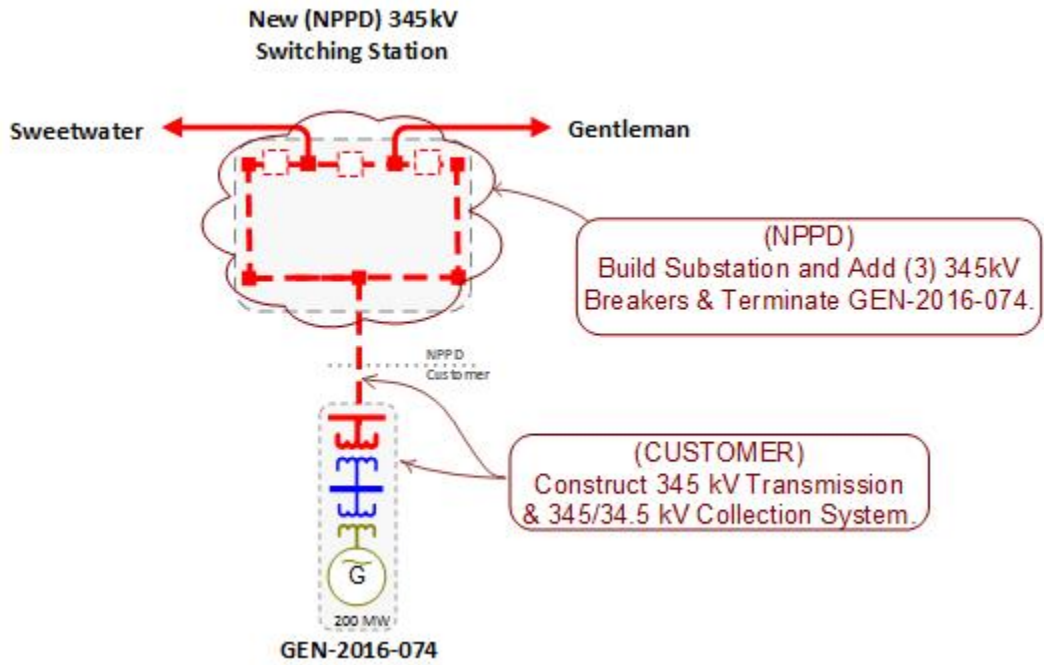
GROUP 18: E-NORTH DAKOTA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2002-008IS	40.50	WAPA	Edgeley 115kV [Pomona 115kV]
GEN-2005-003IS	100.00	WAPA	Nelson 115kV
GEN-2007-020IS	16.00	WAPA	Nelson 115kV
GEN-2008-008IS	5.00	WAPA	Nelson 115kV
GEN-2016-007	100.00	WAPA	Valley City 115kV
PRIOR QUEUED SUBTOTAL	261.50		
AREA TOTAL	0.00		

CLUSTER TOTAL (CURRENT STUDY)	1,226.0	MW
PQ TOTAL (PRIOR QUEUED)	53,489.4	MW
CLUSTER TOTAL (INCLUDING PRIOR QUEUED)	54,715.4	MW

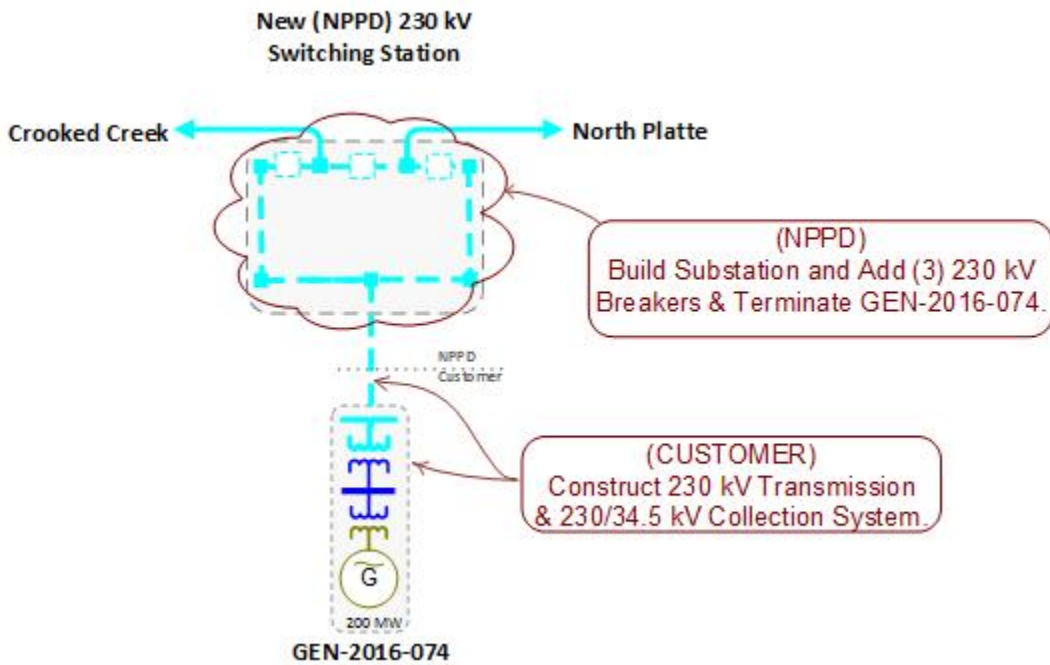
10.4 D: Proposed Point of Interconnection One line Diagrams

See next page.

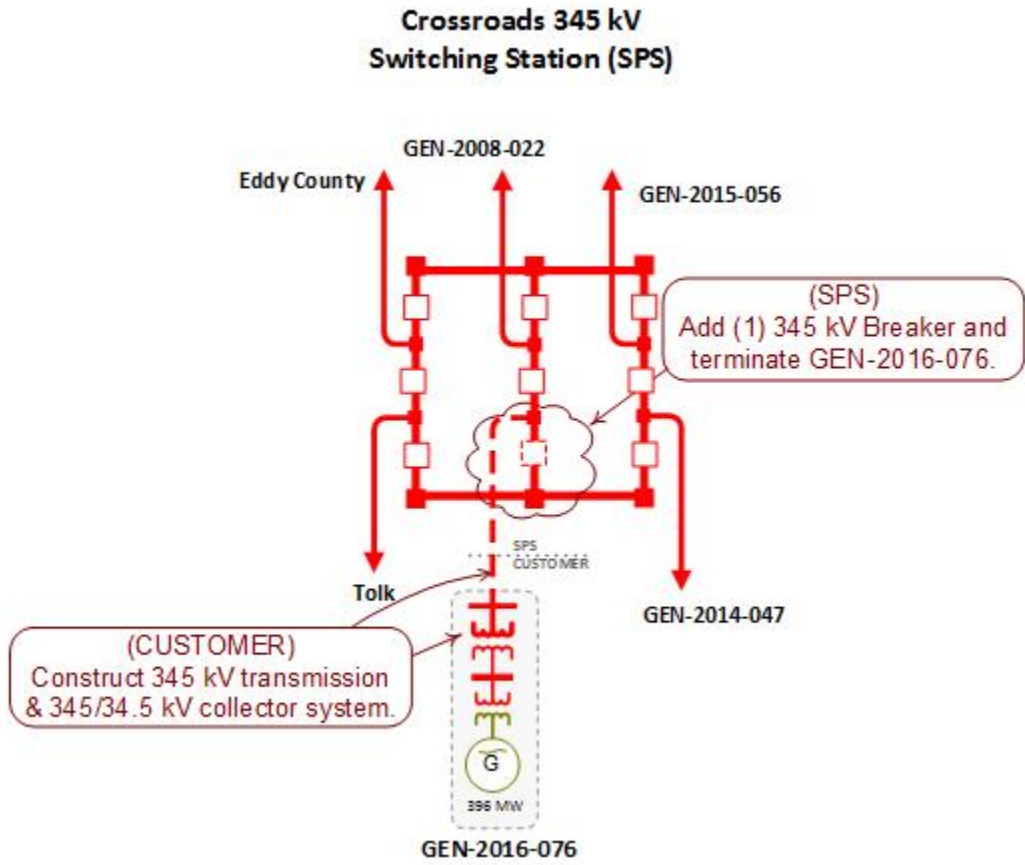
GEN-2016-074 (Tap Sweetwater – Gentleman 345kV)
Estimated Interconnection Costs: \$15,000,000



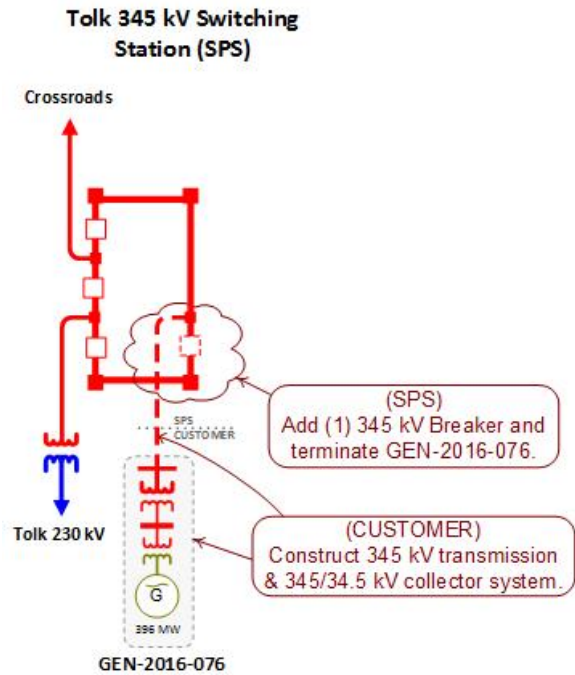
GEN-2016-074 (Tap Crooked Creek – North Platte 230kV)
Estimated Interconnection Costs: \$8,000,000



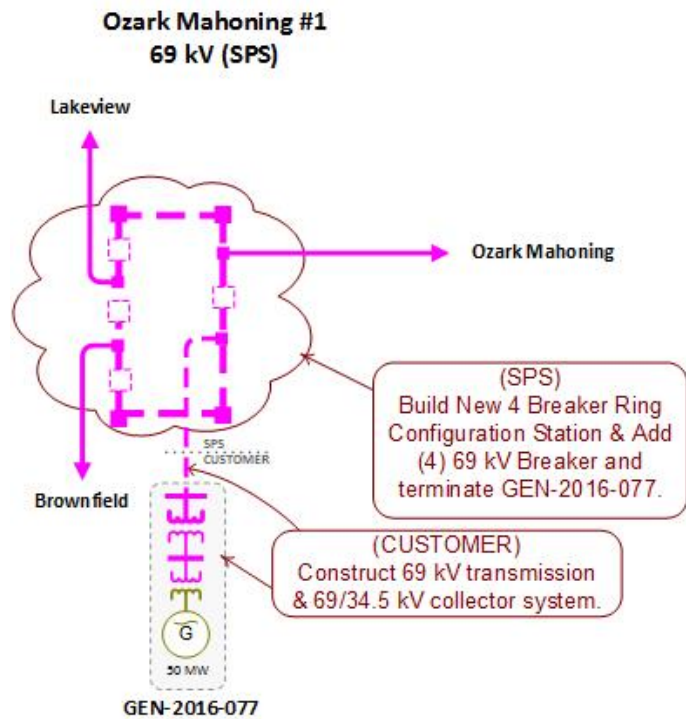
GEN-2016-076 (Crossroad 345kV)
Estimated Interconnection Costs: \$3,500,000



GEN-2016-076 (Tolk 345kV)
Estimated Interconnection Costs: \$4,000,000

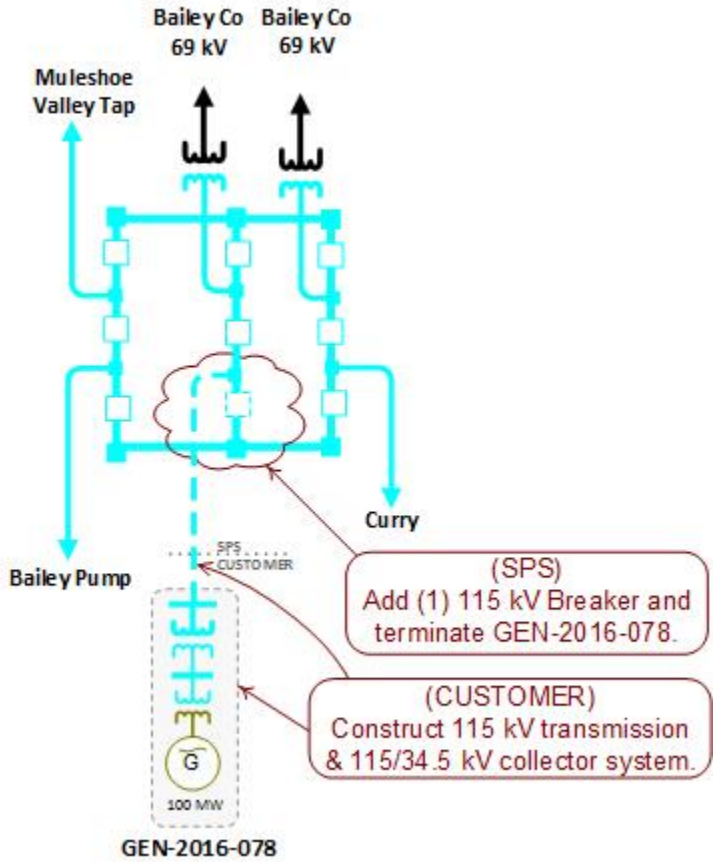


GEN-2016-077 (Ozark Mahoning #1 69kV)
Estimated Interconnection Costs: \$1,000,000



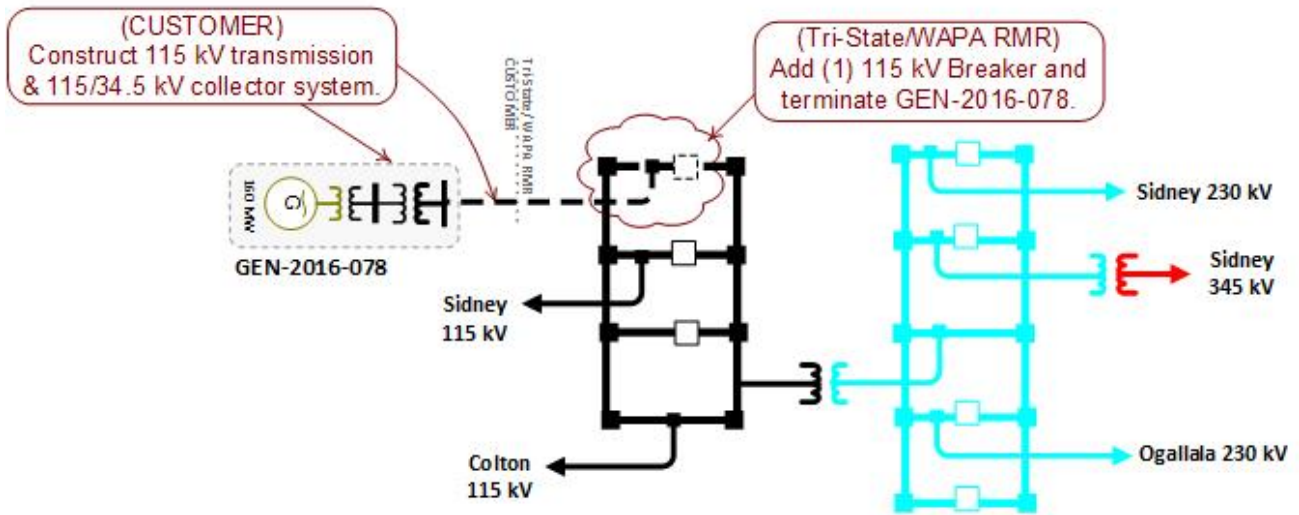
GEN-2016-078 (Bailey County 230kV)
Estimated Interconnection Costs: \$2,500,000

Bailey Co. 115 kV Substation (SPS)



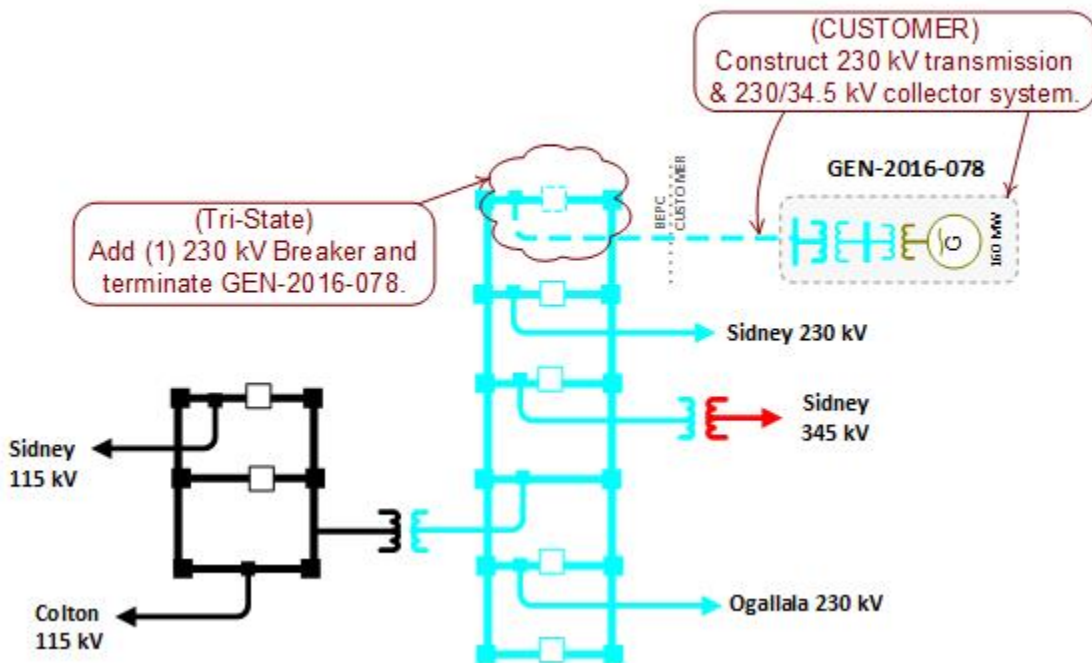
GEN-2016-079 (Sidney 115kV)
Estimated Interconnection Costs: \$4,000,000

Sidney Substation 115/230 kV (Tri-State/WAPA RMR)

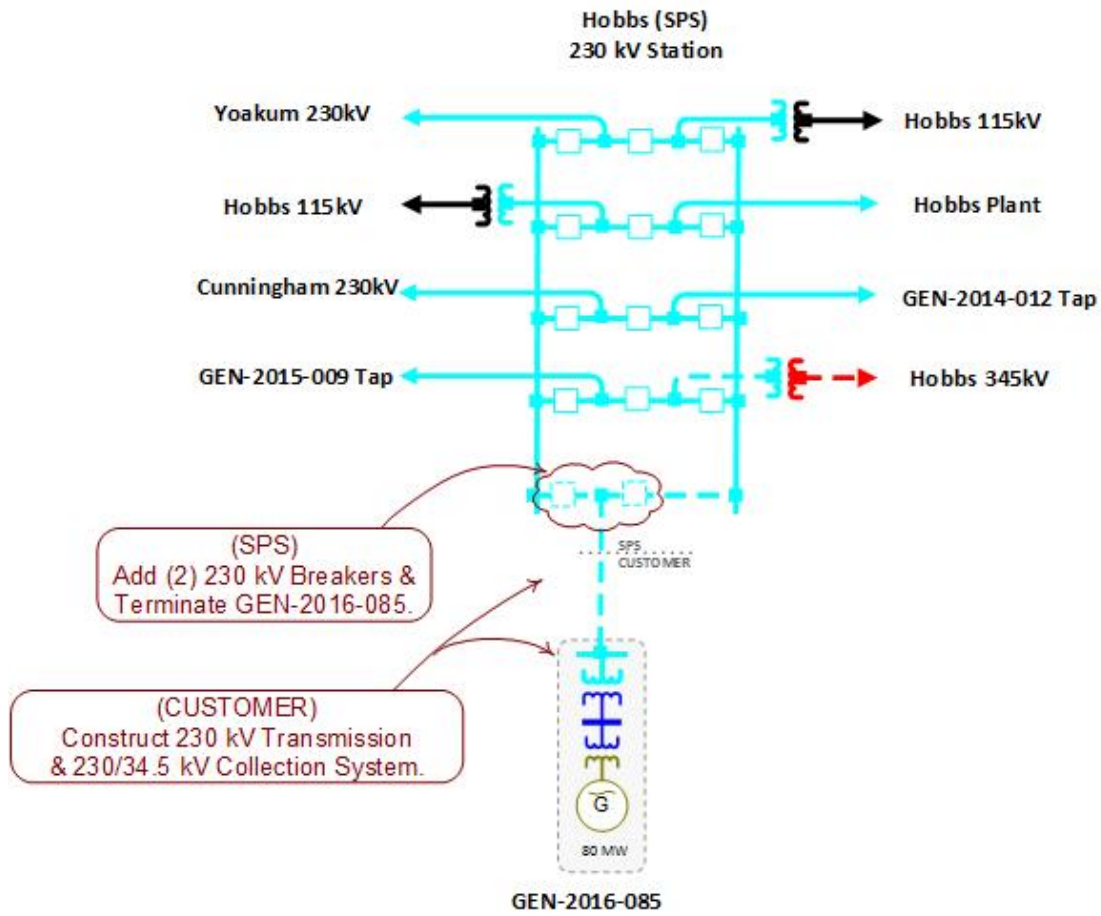


GEN-2016-079 (Sidney 230kV)
Estimated Interconnection Costs: \$5,000,000

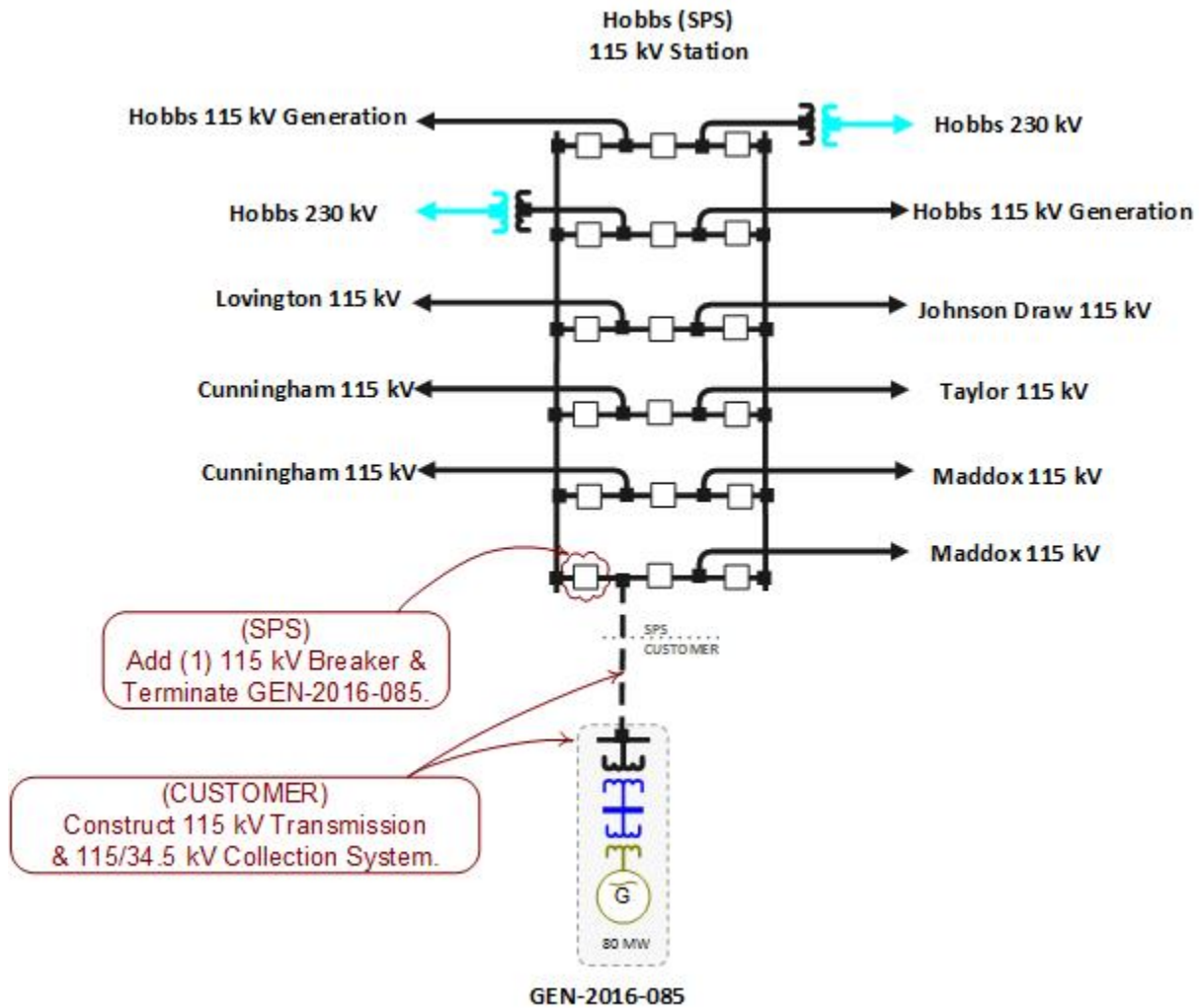
Sidney Substation 230/115 kV (Tri-State)



GEN-2016-085 (Hobbs 230kV)
Estimated Interconnection Costs: \$3,000,000

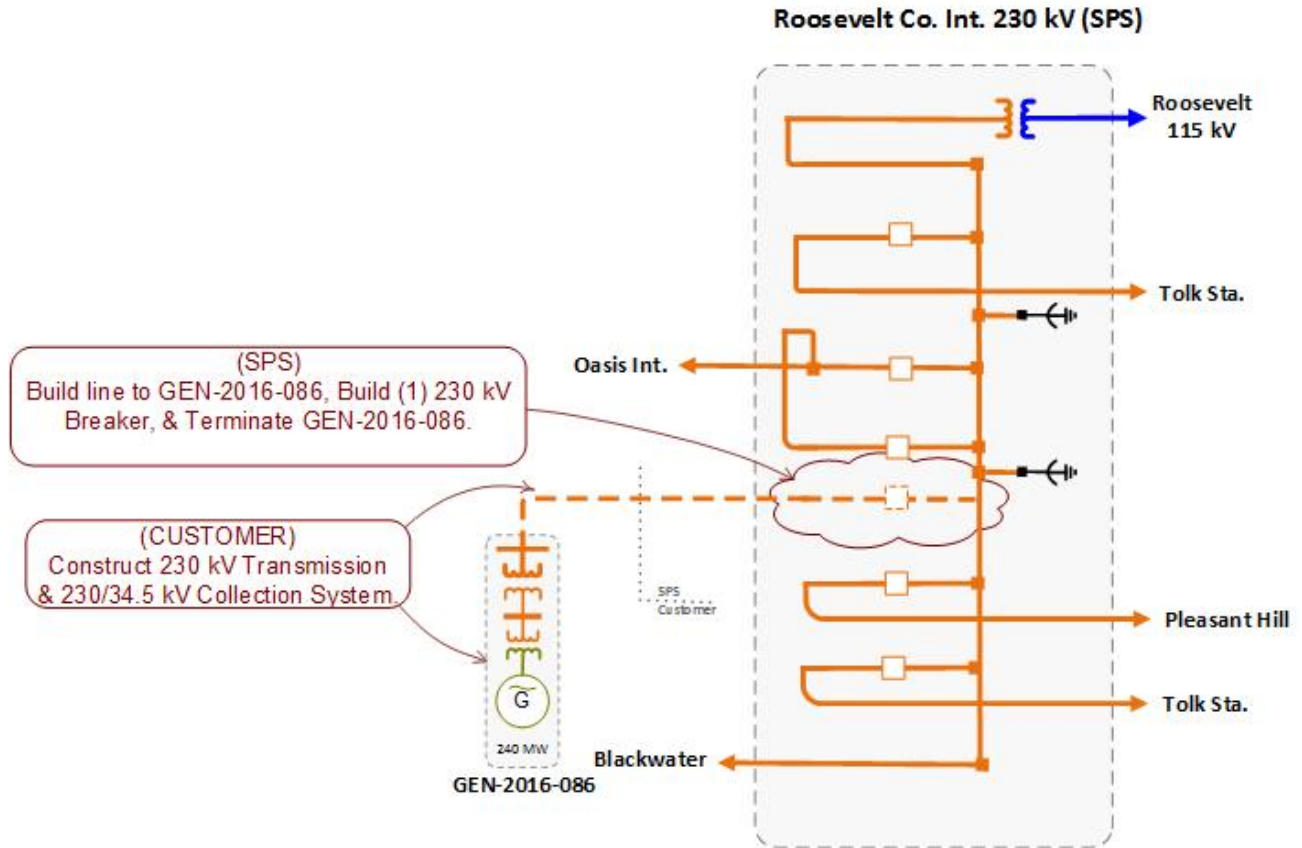


GEN-2016-085 (Hobbs 115kV)
Estimated Interconnection Costs: \$2,000,000



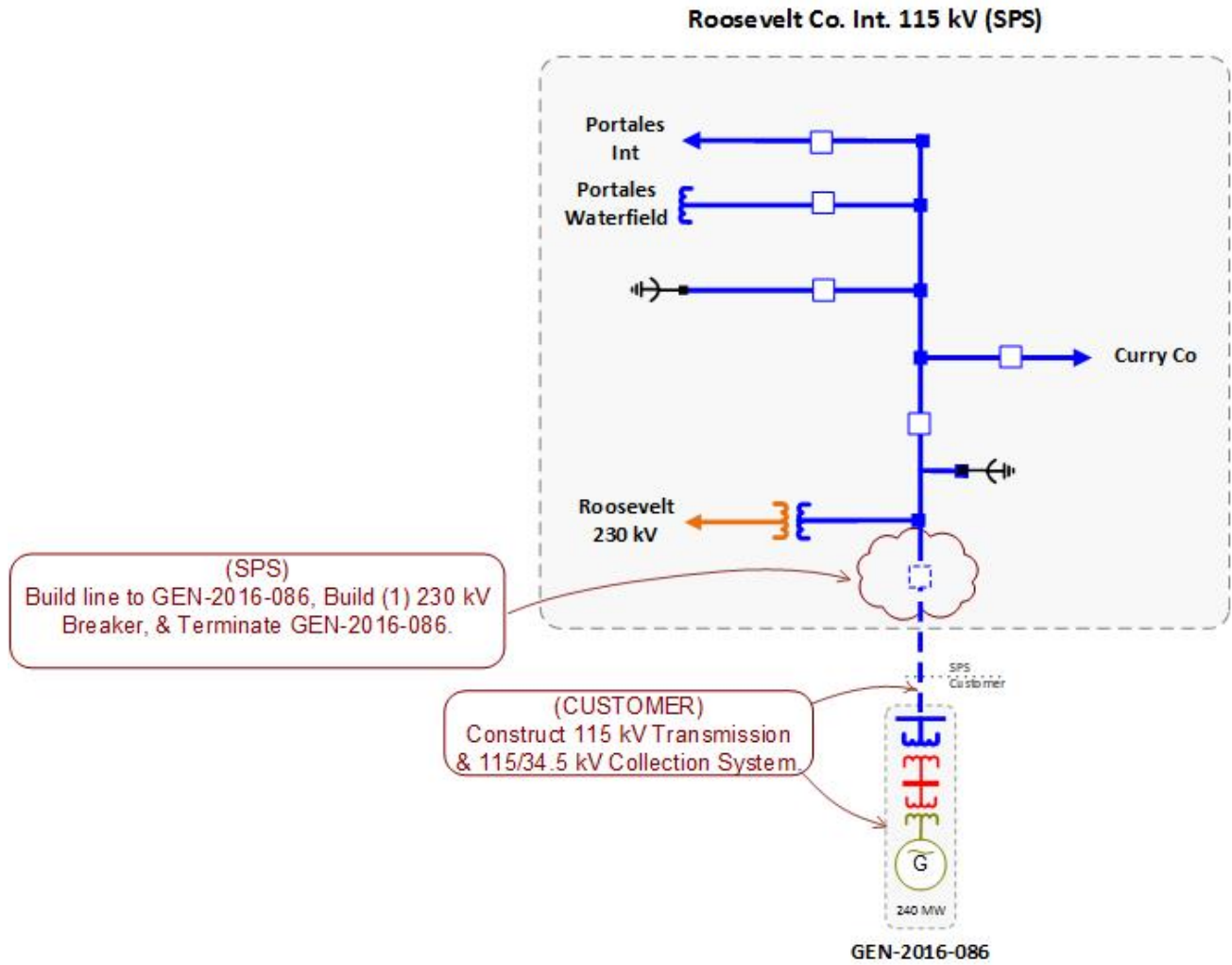
GEN-2016-086 (Roosevelt 230kV)
Estimated Interconnection Costs: \$2,500,000*

* Interconnection Costs assumption does not account for conversion costs to breaker-and-a-half should the Transmission Owner deem the conversion necessary for the addition of the new line terminal



GEN-2016-086 (Roosevelt 115kV)
Estimated Interconnection Costs: \$2,000,000*

* Interconnection Costs assumption does not account for conversion costs to breaker-and-a-half should the Transmission Owner deem the conversion necessary for the addition of the new line terminal



10.5 E: Cost Allocation per Interconnection Request (Including Prior Queued Upgrades)

Important Note:

****WITHDRAWAL OF HIGHER QUEUED PROJECTS WILL CAUSE A RESTUDY AND MAY RESULT IN HIGHER INTERCONNECTION COSTS****

This section shows each Generator Interconnection Request Customer, their current study impacted Network Upgrades, and the previously allocated upgrades upon which they rely to accommodate their interconnection to the transmission system.

The costs associated with the current study Network Upgrades are allocated to the Customers shown in this report.

In addition should a higher queued request, defined as one this study includes as a prior queued request, withdraw, the Network Upgrades assigned to the withdrawn request may be reallocated to the remaining requests that have an impact on the Network Upgrade under a restudy. Also, should an Interconnection Request choose to go into service prior to the operation date of any necessary Network Upgrades, the costs associated with those upgrades may be reallocated to the impacted Interconnection Request. The actual costs allocated to each Generator Interconnection Request Customer will be determined at the time of a restudy.

The required interconnection costs listed do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP OATT. In addition, costs associated with a short circuit analysis will be allocated should the Interconnection Request Customer choose to execute a Interconnection Facilities Study Agreement.

Appendix E. Cost Allocation Per Request Scenario #1

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$772,058	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$60,522,731	\$80,000,000
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$74,588	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$87,655,795	
GEN-2016-077			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$32,267	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$2,504,641	\$80,000,000
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,010,009

GEN-2016-078

Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,623,766	\$80,000,000
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$8,248,921	

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	

GEN-2016-085

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$137,819	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,345,105	\$80,000,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$3,000,000	\$3,000,000
Hobbs Interchange - Millen 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen	Current Study	\$7,500,000	\$7,500,000
Millen - Northeast Hobbs 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen	Current Study	\$1,500,000	\$1,500,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$25,412	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$15,966,760	

GEN-2016-086

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$57,856	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$10,003,757	\$80,000,000
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$18,718,515	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
TOTAL CURRENT STUDY COSTS:		\$153,600,000	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request

Scenario #2

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$772,058	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$60,522,731	\$80,000,000
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$74,588	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$87,655,795	
GEN-2016-077			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$32,267	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$2,504,641	\$80,000,000
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,010,009

GEN-2016-078

Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,623,766	\$80,000,000
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$8,248,921	

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	

GEN-2016-085

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$137,819	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,345,105	\$80,000,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$25,412	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$5,966,760	

GEN-2016-086

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$57,856	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$10,003,757	\$80,000,000
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$18,718,515
TOTAL CURRENT STUDY COSTS:			\$143,600,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request

Scenario #3

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$819,469	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$60,522,731	\$80,000,000
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$74,588	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$87,703,206	
GEN-2016-077			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$34,249	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$2,504,641	\$80,000,000
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,011,990

GEN-2016-078

Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,623,766	\$80,000,000
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$8,248,921	

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	

GEN-2016-085

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$146,282	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,345,105	\$80,000,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$25,412	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$5,975,224	

GEN-2016-086

Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$10,003,757	\$80,000,000
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$18,160,659
TOTAL CURRENT STUDY COSTS:			\$143,100,000

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Appendix E. Cost Allocation Per Request

Scenario #4

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$772,058	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$60,522,731	\$80,000,000
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$74,588	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$87,655,795	
GEN-2016-077			
Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$32,267	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$2,504,641	\$80,000,000
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,010,009

GEN-2016-078

Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,623,766	\$80,000,000
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$8,248,921	

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	

GEN-2016-085

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$137,819	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$3,345,105	\$80,000,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$3,000,000	\$3,000,000
Hobbs Interchange - Millen 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen	Current Study	\$7,500,000	\$7,500,000
Millen - Northeast Hobbs 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen	Current Study	\$1,500,000	\$1,500,000
Oasis - San Juan Tap 230kV CKT 1 Replace the line trap at Oasis.	Current Study	\$25,412	\$100,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$15,966,760	

GEN-2016-086

Crossroads - Tolk Station 345kV CKT 1 Replace terminal equipment	Current Study	\$57,856	\$1,000,000
Crossroads - Yoakum 345kV CKT 1 NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum	Current Study	\$10,003,757	\$80,000,000
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$18,218,515	

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
TOTAL CURRENT STUDY COSTS:		\$153,100,000	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request

Scenario #5

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$480,125	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 betweek Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$27,266,543	

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-077			
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$1,296,708	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$2,769,809
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$264,371	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,889,526

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	
GEN-2016-085			
Cunningham - Maddox Station 115kV CKT 2 NRIS only required upgrade: Build second Cunningham - Maddox 115kV circuit	Current Study	\$2,250,000	\$2,250,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$3,000,000	\$3,000,000
Hobbs Interchange - Millen 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen	Current Study	\$3,750,000	\$7,500,000
LE West - Lea County Lovington 115kV CKT 2 NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit	Current Study	\$750,000	\$750,000
Millen - Northeast Hobbs 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen	Current Study	\$750,000	\$1,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$528,460	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$15,986,884

GEN-2016-086

GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$430,336	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 betweek Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$9,087,238	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
TOTAL CURRENT STUDY COSTS:		\$79,000,000	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request

Scenario #6

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$480,125	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$27,266,543	

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-077			
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$1,296,708	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$2,769,809
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$264,371	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,889,526

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	
GEN-2016-085			
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$528,460	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,986,884	

GEN-2016-086

GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$430,336	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$9,087,238
TOTAL CURRENT STUDY COSTS:			\$66,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request

Scenario #7

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$0
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$480,125	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$0
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$27,266,543	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-077			
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$1,296,708	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$0
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$2,769,809
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$264,371	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$0
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,889,526

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	
GEN-2016-085			
Cunningham - Maddox Station 115kV CKT 2 NRIS only required upgrade: Build second Cunningham - Maddox 115kV circuit	Current Study	\$2,250,000	\$2,250,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$528,460	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$0
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$5,236,884

GEN-2016-086

GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$430,336	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$0
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$9,087,238
TOTAL CURRENT STUDY COSTS:			\$68,250,000

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Appendix E. Cost Allocation Per Request

Scenario #8

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$6,479,380	\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$307,038	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$480,125	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 betweek Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$27,266,543	

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-077			
GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$419,327	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$53,774	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$1,296,708	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$2,769,809
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$1,962,048	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$163,107	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$264,371	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$4,889,526

GEN-2016-079

GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$4,000,000	
GEN-2016-085			
Cunningham - Maddox Station 115kV CKT 2 NRIS only required upgrade: Build second Cunningham - Maddox 115kV circuit	Current Study	\$2,250,000	\$2,250,000
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$3,000,000	\$3,000,000
Hobbs Interchange - Millen 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen	Current Study	\$3,750,000	\$7,500,000
LE West - Lea County Lovington 115kV CKT 2 NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit	Current Study	\$750,000	\$750,000
Millen - Northeast Hobbs 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen	Current Study	\$750,000	\$1,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$384,422	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$74,002	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$528,460	\$3,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$15,986,884

GEN-2016-086

GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Tolk	Current Study	\$5,754,822	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2 Build second Tolk - Tolk West bus tie breaker	Current Study	\$402,080	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wolfforth Interchange - Yuma 115kV CKT 1 NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV	Current Study	\$430,336	\$3,000,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 betweek Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$9,087,238	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
TOTAL CURRENT STUDY COSTS:		\$79,000,000	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request

Scenario #9

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$19,500,000	

GEN-2016-077

GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$1,000,000	
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
GEN-2016-079			
Big Springs - Brule 115kV CKT 1 Rebuild approximately 9 miles of 115kV	Current Study	\$6,750,000	\$6,750,000
Brule - Ogallala 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 14 miles of 115kV from Brule - Ogallala	Current Study	\$10,000,000	\$10,000,000
Chappel - Colton 115kV CKT 1 Rebuild approximately 21 miles of 115kV	Current Study	\$15,500,000	\$15,500,000
Chappel - Julesburg 115kV CKT 1 Rebuild approximately 11 miles of 115kV	Current Study	\$8,250,000	\$8,250,000
Colton - Sidney 115kV CKT 1 Rebuild approximately 7 miles of 115kV	Current Study	\$5,000,000	\$5,000,000
GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Holt County - Grand Island 345kV CKT 1 NRIS only required upgrade: Upgrade terminal equipment	Current Study	\$250,000	\$250,000
Julesburg - Big Springs 115kV CKT 1 Rebuild approximately 8 miles of 115kV	Current Study	\$6,000,000	\$6,000,000
Keystone - Ogallala 115kV CKT 1 Build second circuit from Keystone - Ogallala 230kV	Current Study	\$4,000,000	\$4,000,000
Keystone 345/115/13kV Transformer CKT 1 Build second Keystone 345/115/13kV transformer	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$74,750,000	

GEN-2016-085

GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
LE West - Lea County Lovington 115kV CKT 2 NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit	Current Study	\$750,000	\$750,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,750,000	

GEN-2016-086

GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total		\$2,500,000
TOTAL CURRENT STUDY COSTS:			\$118,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request Scenario #10

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$15,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$19,500,000	

GEN-2016-077

GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$1,000,000	
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
GEN-2016-079			
Big Springs - Brule 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 9 miles of 115kV	Current Study	\$6,750,000	\$6,750,000
Brule - Ogallala 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 14 miles of 115kV from Brule - Ogallala	Current Study	\$10,000,000	\$10,000,000
Chappel - Colton 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 21 miles of 115kV	Current Study	\$15,500,000	\$15,500,000
Chappel - Julesburg 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 11 miles of 115kV	Current Study	\$8,250,000	\$8,250,000
Colton - Sidney 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 7 miles of 115kV	Current Study	\$5,000,000	\$5,000,000
GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$5,000,000	\$5,000,000
Holt County - Grand Island 345kV CKT 1 NRIS only required upgrade: Upgrade terminal equipment	Current Study	\$250,000	\$250,000
Julesburg - Big Springs 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 8 miles of 115kV	Current Study	\$6,000,000	\$6,000,000
Keystone - Ogallala 115kV CKT 1 Build second circuit from Keystone - Ogallala 230kV	Current Study	\$4,000,000	\$4,000,000
Keystone 345/115/13kV Transformer CKT 1 Build second Keystone 345/115/13kV transformer	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$75,750,000	

GEN-2016-085

GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
LE West - Lea County Lovington 115kV CKT 2 NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit	Current Study	\$750,000	\$750,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,750,000	
GEN-2016-086			
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
TOTAL CURRENT STUDY COSTS:		\$119,000,000	

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Appendix E. Cost Allocation Per Request Scenario #11

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$8,000,000	\$8,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$8,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$19,500,000	

GEN-2016-077

GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$1,000,000	
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
GEN-2016-079			
Big Springs - Brule 115kV CKT 1 Rebuild approximately 9 miles of 115kV	Current Study	\$6,750,000	\$6,750,000
Brule - Ogallala 115kV CKT 1 Rebuild approximately 14 miles of 115kV from Brule - Ogallala	Current Study	\$10,000,000	\$10,000,000
Chappel - Colton 115kV CKT 1 Rebuild approximately 21 miles of 115kV	Current Study	\$15,500,000	\$15,500,000
Chappel - Julesburg 115kV CKT 1 Rebuild approximately 11 miles of 115kV	Current Study	\$8,250,000	\$8,250,000
Colton - Sidney 115kV CKT 1 Rebuild approximately 7 miles of 115kV	Current Study	\$5,000,000	\$5,000,000
GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$4,000,000	\$4,000,000
Holt County - Grand Island 345kV CKT 1 NRIS only required upgrade: Upgrade terminal equipment	Current Study	\$250,000	\$250,000
Keystone - Ogallala 115kV CKT 1 Build second circuit from Keystone - Ogallala 230kV	Current Study	\$4,000,000	\$4,000,000
Keystone 345/115/13kV Transformer CKT 1 Build second Keystone 345/115/13kV transformer	Current Study	\$15,000,000	\$15,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$68,750,000	
GEN-2016-085			
GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
LE West - Lea County Lovington 115kV CKT 2 NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit	Current Study	\$750,000	\$750,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,750,000	
GEN-2016-086			
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
TOTAL CURRENT STUDY COSTS:			\$105,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix E. Cost Allocation Per Request Scenario #12

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
GEN-2016-074			
GEN-2016-074 Interconnection Costs See One-Line Diagram.	Current Study	\$8,000,000	\$8,000,000
Battle Creek-County Line 115kV CKT 1 Rebuild approximately 11 miles of 115kV from Battle Creek to County Line.	Previously Allocated		\$4,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$8,000,000	
GEN-2016-076			
Eddy 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Eddy County	Current Study	\$15,000,000	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2 Build second Eddy County - North Eddy County bus tie breaker	Current Study	\$1,000,000	\$1,000,000
GEN-2016-076 Interconnection Costs See One-Line Diagram.	Current Study	\$3,500,000	\$3,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauion	Previously Allocated		\$20,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$19,500,000	

GEN-2016-077

GEN-2016-077 Interconnection Costs See One-Line Diagram.	Current Study	\$1,000,000	\$1,000,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
National Enrichment Plant-Targa 115kV CKT 1 Rebuild approximately 4 miles of 115kV from National Enrichment Plant to Targa per 2015 ITPNT.	Previously Allocated		\$2,909,669
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Targa-Cardinal 115kV CKT 1 Rebuild approximately 3 miles of 115kV from Targa to Cardinal per 2015 ITPNT.	Previously Allocated		\$2,049,062
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$1,000,000	
GEN-2016-078			
GEN-2016-078 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
GEN-2016-079			
Chappel - Colton 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 21 miles of 115kV	Current Study	\$15,500,000	\$15,500,000
Colton - Sidney 115kV CKT 1 NRIS only required upgrade: Rebuild approximately 7 miles of 115kV	Current Study	\$5,000,000	\$5,000,000
GEN-2016-079 Interconnection Costs See One-Line Diagram.	Current Study	\$5,000,000	\$5,000,000
Holt County - Grand Island 345kV CKT 1 NRIS only required upgrade: Upgrade terminal equipment	Current Study	\$250,000	\$250,000
Keystone - Ogallala 115kV CKT 1 Build second circuit from Keystone - Ogallala 230kV	Current Study	\$4,000,000	\$4,000,000
Keystone 345/115/13kV Transformer CKT 1 Build second Keystone 345/115/13kV transformer	Current Study	\$15,000,000	\$15,000,000
County Line-Neligh East 115kV CKT 1 Rebuild approximately 12 miles of 115kV from County Line to Neligh East.	Previously Allocated		\$8,050,000
Gentleman - Thedford 345kV CKT 1 Build approximately 76 Miles of 345kV from Gentleman to Thedford per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Hoskins - Neligh 345/115kV Projects Per SPP 2014 ITP NT and NTC 200253 for 6/1/2016 in-service.	Previously Allocated		\$98,697,720
Thedford - Holt County 345kV CKT 1 Build approximately 146 Miles of 345kV from Thedford to Holt County per SPP-NTC-200220 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Thedford 345/115kV Transformer CKT 1 Install Thedford 345/115kV transformer per SPP-NTC-200277 (Total Project E&C Cost Shown).	Previously Allocated		\$311,717,040
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000
	Current Study Total	\$44,750,000	

GEN-2016-085

GEN-2016-085 Interconnection Costs See One-Line Diagram.	Current Study	\$2,000,000	\$2,000,000
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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
LE West - Lea County Lovington 115kV CKT 2 NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit	Current Study	\$750,000	\$750,000
Amoco Wasson - Oxy Tap 230kV CKT 1 Replace line traps at both terminals	Previously Allocated		\$200,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklauinion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklauinion	Previously Allocated		\$20,000,000
Potash Junction 230kV Reactive Power Support Build Potash Junction 100Mvar Capacitor bank per 2015 ITPNT.	Previously Allocated		\$6,465,875
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 betweek Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,750,000	
GEN-2016-086			
GEN-2016-086 Interconnection Costs See One-Line Diagram.	Current Study	\$2,500,000	\$2,500,000
Border 345kV Reactive Power Support Install (6)Steps of 50Mvar Capacitor Bank(s) and +300Mvar SVC at Border Substation	Previously Allocated		\$35,000,000
Crawfish Draw - Border 345kV CKT 2 Build approximately 194 miles of second circuit 345kV from TUCO 2 - Border	Previously Allocated		\$194,000,000
Crawfish Draw Substation Upgrade 345/230kV Tap Border-TUCO approximately 2 miles from TUCO and build Crawfish Draw 345kV substation and add 345/230/13.2kV transformer and tie on TUCO-Swisher 230kV.	Previously Allocated		\$24,764,205
DISIS-2016-001 Potential Network Upgrade(s) DISIS-2016-001 Potential Network Upgrade(s)	Previously Allocated		\$TBD
Elk City 230/138/13kV Transformer CKT 1 Replace terminal equipment for Elk City Transformer to achieve transformer limit of 450MVA.	Previously Allocated		\$15,000,000
Grapevine - Nichols 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Grapevine - Wheeler 230kV CKT 1 Replace terminal equipment	Previously Allocated		\$400,000
Oklaunion 345kV Reactive Power Support Incremental Upgrade Install +/-100Mvar SVC at Oklaunion	Previously Allocated		\$20,000,000
Potter County Interchange 345/230/13kV Transformer CKT 2 Build second 345/230/13kV transformer at Potter County	Previously Allocated		\$15,000,000
Shamrock 115kV Capacitor Bank Add 2nd step of 9.6Mvars to Shamrock 115kV Capacitor Bank(s)	Previously Allocated		\$500,000
Terry County - Wolfforth Interchange 115kV CKT 1 NRIS only required upgrade: Terry Co. - Wolfforth 115 kV Terminal Upgrades per SPP-NTC-200395	Previously Allocated		\$1,845,868
Tolk - Plant X 230kV CKT 1 & 2 Rebuild circuit 1 and 2 between Tolk - Plant X 230kV to 1200 amps each.	Previously Allocated		\$9,921,693

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
TUCO 345/230/13.2kV Transformer CKT 1 Replace existing TUCO 345/230/13.2kV Transformer circuit #1 with 640MVA.	Previously Allocated		\$3,347,036
TUCO Interchange - Yoakum - Hobbs 345/230kV Project Per HPILs SPP-NTC-200283 (Total Project E&C Cost Shown)	Previously Allocated		\$241,826,483
Wheeler - Sweetwater 230kV CKT 1 Rebuild AEP's portion of the circuit and replace terminal equipment on SPS portion	Previously Allocated		\$6,000,000
	Current Study Total	\$2,500,000	
TOTAL CURRENT STUDY COSTS:			\$81,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

10.6 F: Cost Allocation per Proposed Study Network Upgrade

Important Note:

****WITHDRAWAL OF HIGHER QUEUED PROJECTS WILL CAUSE A RESTUDY AND MAY RESULT IN HIGHER INTERCONNECTION COSTS****

This section shows each Direct Assigned Facility and Network Upgrade and the Generator Interconnection Request Customer(s) which have an impact in this study assuming all higher queued projects remain in the queue and achieve commercial operation.

The required interconnection costs listed do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP OATT. In addition, costs associated with a short circuit analysis will be allocated should the Interconnection Request Customer choose to execute a Facility Study Agreement.

There may be additional costs allocated to each Customer. See Appendix E for more details.

Appendix F. Cost Allocation by Upgrade Scenario #1

Crossroads - Tolk Station 345kV CKT 1		\$1,000,000
Replace terminal equipment		
GEN-2016-076	\$772,058	
GEN-2016-077	\$32,267	
GEN-2016-085	\$137,819	
GEN-2016-086	\$57,856	
Total Allocated Costs	\$1,000,000	
Crossroads - Yoakum 345kV CKT 1		\$80,000,000
NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum		
GEN-2016-076	\$60,522,731	
GEN-2016-077	\$2,504,641	
GEN-2016-078	\$3,623,766	
GEN-2016-085	\$3,345,105	
GEN-2016-086	\$10,003,757	
Total Allocated Costs	\$80,000,000	
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
GEN-2016-076	\$15,000,000	
Total Allocated Costs	\$15,000,000	
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
GEN-2016-076	\$1,000,000	
Total Allocated Costs	\$1,000,000	
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
GEN-2016-074	\$15,000,000	
Total Allocated Costs	\$15,000,000	
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
GEN-2016-076	\$3,500,000	
Total Allocated Costs	\$3,500,000	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$3,000,000
See One-Line Diagram.		
	GEN-2016-085	\$3,000,000
	Total Allocated Costs	\$3,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Hobbs Interchange - Millen 115kV CKT 1		\$7,500,000
NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$7,500,000
	Total Allocated Costs	\$7,500,000
Millen - Northeast Hobbs 115kV CKT 1		\$1,500,000
NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$1,500,000
	Total Allocated Costs	\$1,500,000
Oasis - San Juan Tap 230kV CKT 1		\$100,000
Replace the line trap at Oasis.		
	GEN-2016-076	\$74,588
	GEN-2016-085	\$25,412
	Total Allocated Costs	\$100,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Tolk 345/230/13kV Transformer CKT 2**\$15,000,000**

Build second 345/230/13kV transformer at Tolk

GEN-2016-076	\$6,479,380
GEN-2016-077	\$419,327
GEN-2016-078	\$1,962,048
GEN-2016-085	\$384,422
GEN-2016-086	\$5,754,822

Total Allocated Costs	\$15,000,000
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Tolk Station - Tolk Station West 230kV CKT 2**\$1,000,000**

Build second Tolk - Tolk West bus tie breaker

GEN-2016-076	\$307,038
GEN-2016-077	\$53,774
GEN-2016-078	\$163,107
GEN-2016-085	\$74,002
GEN-2016-086	\$402,080

Total Allocated Costs	\$1,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #2

Crossroads - Tolk Station 345kV CKT 1		\$1,000,000
Replace terminal equipment		
GEN-2016-076	\$772,058	
GEN-2016-077	\$32,267	
GEN-2016-085	\$137,819	
GEN-2016-086	\$57,856	
Total Allocated Costs	\$1,000,000	
Crossroads - Yoakum 345kV CKT 1		\$80,000,000
NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum		
GEN-2016-076	\$60,522,731	
GEN-2016-077	\$2,504,641	
GEN-2016-078	\$3,623,766	
GEN-2016-085	\$3,345,105	
GEN-2016-086	\$10,003,757	
Total Allocated Costs	\$80,000,000	
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
GEN-2016-076	\$15,000,000	
Total Allocated Costs	\$15,000,000	
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
GEN-2016-076	\$1,000,000	
Total Allocated Costs	\$1,000,000	
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
GEN-2016-074	\$15,000,000	
Total Allocated Costs	\$15,000,000	
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
GEN-2016-076	\$3,500,000	
Total Allocated Costs	\$3,500,000	

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Oasis - San Juan Tap 230kV CKT 1		\$100,000
Replace the line trap at Oasis.		
	GEN-2016-076	\$74,588
	GEN-2016-085	\$25,412
	Total Allocated Costs	\$100,000
Tolk 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Tolk		
	GEN-2016-076	\$6,479,380
	GEN-2016-077	\$419,327
	GEN-2016-078	\$1,962,048
	GEN-2016-085	\$384,422
	GEN-2016-086	\$5,754,822
	Total Allocated Costs	\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Tolk Station - Tolk Station West 230kV CKT 2

\$1,000,000

Build second Tolk - Tolk West bus tie breaker

GEN-2016-076	\$307,038
GEN-2016-077	\$53,774
GEN-2016-078	\$163,107
GEN-2016-085	\$74,002
GEN-2016-086	\$402,080

Total Allocated Costs	\$1,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #3

Crossroads - Tolk Station 345kV CKT 1		\$1,000,000
Replace terminal equipment		
GEN-2016-076	\$819,469	
GEN-2016-077	\$34,249	
GEN-2016-085	\$146,282	
Total Allocated Costs		\$1,000,000
Crossroads - Yoakum 345kV CKT 1		\$80,000,000
NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum		
GEN-2016-076	\$60,522,731	
GEN-2016-077	\$2,504,641	
GEN-2016-078	\$3,623,766	
GEN-2016-085	\$3,345,105	
GEN-2016-086	\$10,003,757	
Total Allocated Costs		\$80,000,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
GEN-2016-076	\$15,000,000	
Total Allocated Costs		\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
GEN-2016-076	\$1,000,000	
Total Allocated Costs		\$1,000,000
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
GEN-2016-074	\$15,000,000	
Total Allocated Costs		\$15,000,000
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
GEN-2016-076	\$3,500,000	
Total Allocated Costs		\$3,500,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-086	\$2,000,000
	Total Allocated Costs	\$2,000,000
Oasis - San Juan Tap 230kV CKT 1		\$100,000
Replace the line trap at Oasis.		
	GEN-2016-076	\$74,588
	GEN-2016-085	\$25,412
	Total Allocated Costs	\$100,000
Tolk 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Tolk		
	GEN-2016-076	\$6,479,380
	GEN-2016-077	\$419,327
	GEN-2016-078	\$1,962,048
	GEN-2016-085	\$384,422
	GEN-2016-086	\$5,754,822
	Total Allocated Costs	\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Tolk Station - Tolk Station West 230kV CKT 2

\$1,000,000

Build second Tolk - Tolk West bus tie breaker

GEN-2016-076	\$307,038
GEN-2016-077	\$53,774
GEN-2016-078	\$163,107
GEN-2016-085	\$74,002
GEN-2016-086	\$402,080

Total Allocated Costs	\$1,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #4

Crossroads - Tolk Station 345kV CKT 1		\$1,000,000
Replace terminal equipment		
GEN-2016-076	\$772,058	
GEN-2016-077	\$32,267	
GEN-2016-085	\$137,819	
GEN-2016-086	\$57,856	
Total Allocated Costs		\$1,000,000
Crossroads - Yoakum 345kV CKT 1		\$80,000,000
NRIS only required upgrade: Build approximately 80 miles of new 345kV from Crossroads - Yoakum		
GEN-2016-076	\$60,522,731	
GEN-2016-077	\$2,504,641	
GEN-2016-078	\$3,623,766	
GEN-2016-085	\$3,345,105	
GEN-2016-086	\$10,003,757	
Total Allocated Costs		\$80,000,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
GEN-2016-076	\$15,000,000	
Total Allocated Costs		\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
GEN-2016-076	\$1,000,000	
Total Allocated Costs		\$1,000,000
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
GEN-2016-074	\$15,000,000	
Total Allocated Costs		\$15,000,000
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
GEN-2016-076	\$3,500,000	
Total Allocated Costs		\$3,500,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$3,000,000
See One-Line Diagram.		
	GEN-2016-085	\$3,000,000
	Total Allocated Costs	\$3,000,000
GEN-2016-086 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-086	\$2,000,000
	Total Allocated Costs	\$2,000,000
Hobbs Interchange - Millen 115kV CKT 1		\$7,500,000
NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$7,500,000
	Total Allocated Costs	\$7,500,000
Millen - Northeast Hobbs 115kV CKT 1		\$1,500,000
NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$1,500,000
	Total Allocated Costs	\$1,500,000
Oasis - San Juan Tap 230kV CKT 1		\$100,000
Replace the line trap at Oasis.		
	GEN-2016-076	\$74,588
	GEN-2016-085	\$25,412
	Total Allocated Costs	\$100,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Tolk 345/230/13kV Transformer CKT 2**\$15,000,000**

Build second 345/230/13kV transformer at Tolk

GEN-2016-076	\$6,479,380
GEN-2016-077	\$419,327
GEN-2016-078	\$1,962,048
GEN-2016-085	\$384,422
GEN-2016-086	\$5,754,822

Total Allocated Costs	\$15,000,000
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Tolk Station - Tolk Station West 230kV CKT 2**\$1,000,000**

Build second Tolk - Tolk West bus tie breaker

GEN-2016-076	\$307,038
GEN-2016-077	\$53,774
GEN-2016-078	\$163,107
GEN-2016-085	\$74,002
GEN-2016-086	\$402,080

Total Allocated Costs	\$1,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #5

Cunningham - Maddox Station 115kV CKT 2		\$2,250,000
NRIS only required upgrade: Build second Cunningham - Maddox 115kV circuit		
	GEN-2016-085	\$2,250,000
	Total Allocated Costs	\$2,250,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
	GEN-2016-074	\$15,000,000
	Total Allocated Costs	\$15,000,000
GEN-2016-076 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-076	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$3,000,000
See One-Line Diagram.		
	GEN-2016-085	\$3,000,000
	Total Allocated Costs	\$3,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Hobbs Interchange - Millen 115kV CKT 1		\$7,500,000
NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$3,750,000
	Total Allocated Costs	\$15,000,000
LE West - Lea County Lovington 115kV CKT 2		\$750,000
NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit		
	GEN-2016-085	\$750,000
	Total Allocated Costs	\$750,000
Millen - Northeast Hobbs 115kV CKT 1		\$1,500,000
NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$750,000
	Total Allocated Costs	\$3,000,000
Tolk 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Tolk		
	GEN-2016-076	\$6,479,380
	GEN-2016-077	\$419,327
	GEN-2016-078	\$1,962,048
	GEN-2016-085	\$384,422
	GEN-2016-086	\$5,754,822
	Total Allocated Costs	\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Tolk Station - Tolk Station West 230kV CKT 2**\$1,000,000**

Build second Tolk - Tolk West bus tie breaker

GEN-2016-076	\$307,038
GEN-2016-077	\$53,774
GEN-2016-078	\$163,107
GEN-2016-085	\$74,002
GEN-2016-086	\$402,080

Total Allocated Costs	\$1,000,000
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Wolfforth Interchange - Yuma 115kV CKT 1**\$3,000,000**

NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV

GEN-2016-076	\$480,125
GEN-2016-077	\$1,296,708
GEN-2016-078	\$264,371
GEN-2016-085	\$528,460
GEN-2016-086	\$430,336

Total Allocated Costs	\$3,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #6

Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
	GEN-2016-074	\$15,000,000
	Total Allocated Costs	\$15,000,000
GEN-2016-076 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-076	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Tolk		
	GEN-2016-076	\$6,479,380
	GEN-2016-077	\$419,327
	GEN-2016-078	\$1,962,048
	GEN-2016-085	\$384,422
	GEN-2016-086	\$5,754,822
	Total Allocated Costs	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2		\$1,000,000
Build second Tolk - Tolk West bus tie breaker		
	GEN-2016-076	\$307,038
	GEN-2016-077	\$53,774
	GEN-2016-078	\$163,107
	GEN-2016-085	\$74,002
	GEN-2016-086	\$402,080
	Total Allocated Costs	\$1,000,000
Wolfforth Interchange - Yuma 115kV CKT 1		\$3,000,000
NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV		
	GEN-2016-076	\$480,125
	GEN-2016-077	\$1,296,708
	GEN-2016-078	\$264,371
	GEN-2016-085	\$528,460
	GEN-2016-086	\$430,336
	Total Allocated Costs	\$3,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #7

Cunningham - Maddox Station 115kV CKT 2		\$2,250,000
NRIS only required upgrade: Build second Cunningham - Maddox 115kV circuit		
	GEN-2016-085	\$2,250,000
	Total Allocated Costs	\$2,250,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
	GEN-2016-074	\$15,000,000
	Total Allocated Costs	\$15,000,000
GEN-2016-076 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-076	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Tolk 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Tolk		
	GEN-2016-076	\$6,479,380
	GEN-2016-077	\$419,327
	GEN-2016-078	\$1,962,048
	GEN-2016-085	\$384,422
	GEN-2016-086	\$5,754,822
	Total Allocated Costs	\$15,000,000
Tolk Station - Tolk Station West 230kV CKT 2		\$1,000,000
Build second Tolk - Tolk West bus tie breaker		
	GEN-2016-076	\$307,038
	GEN-2016-077	\$53,774
	GEN-2016-078	\$163,107
	GEN-2016-085	\$74,002
	GEN-2016-086	\$402,080
	Total Allocated Costs	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Wolfforth Interchange - Yuma 115kV CKT 1

\$3,000,000

NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV

GEN-2016-076	\$480,125
GEN-2016-077	\$1,296,708
GEN-2016-078	\$264,371
GEN-2016-085	\$528,460
GEN-2016-086	\$430,336

Total Allocated Costs	\$3,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #8

Cunningham - Maddox Station 115kV CKT 2		\$2,250,000
NRIS only required upgrade: Build second Cunningham - Maddox 115kV circuit		
	GEN-2016-085	\$2,250,000
	Total Allocated Costs	\$2,250,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
	GEN-2016-074	\$15,000,000
	Total Allocated Costs	\$15,000,000
GEN-2016-076 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-076	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$3,000,000
See One-Line Diagram.		
	GEN-2016-085	\$3,000,000
	Total Allocated Costs	\$3,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Hobbs Interchange - Millen 115kV CKT 1		\$7,500,000
NRIS only required upgrade: Rebuild approximately 10 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$3,750,000
	Total Allocated Costs	\$15,000,000
LE West - Lea County Lovington 115kV CKT 2		\$750,000
NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit		
	GEN-2016-085	\$750,000
	Total Allocated Costs	\$750,000
Millen - Northeast Hobbs 115kV CKT 1		\$1,500,000
NRIS only required upgrade: Rebuild approximately 2 miles of 115kV from Hobbs - Millen		
	GEN-2016-085	\$750,000
	Total Allocated Costs	\$3,000,000
Tolk 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Tolk		
	GEN-2016-076	\$6,479,380
	GEN-2016-077	\$419,327
	GEN-2016-078	\$1,962,048
	GEN-2016-085	\$384,422
	GEN-2016-086	\$5,754,822
	Total Allocated Costs	\$15,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Tolk Station - Tolk Station West 230kV CKT 2**\$1,000,000**

Build second Tolk - Tolk West bus tie breaker

GEN-2016-076	\$307,038
GEN-2016-077	\$53,774
GEN-2016-078	\$163,107
GEN-2016-085	\$74,002
GEN-2016-086	\$402,080

Total Allocated Costs	\$1,000,000
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Wolfforth Interchange - Yuma 115kV CKT 1**\$3,000,000**

NRIS only required upgrade: Reconductor approximately 5 miles of 115kV from Wolfforth - Yuma 115kV

GEN-2016-076	\$480,125
GEN-2016-077	\$1,296,708
GEN-2016-078	\$264,371
GEN-2016-085	\$528,460
GEN-2016-086	\$430,336

Total Allocated Costs	\$3,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #9

Big Springs - Brule 115kV CKT 1		\$6,750,000
	Rebuild approximately 9 miles of 115kV	
	GEN-2016-079	\$6,750,000
	Total Allocated Costs	\$6,750,000
<hr/>		
Brule - Ogallala 115kV CKT 1		\$10,000,000
	NRIS only required upgrade: Rebuild approximately 14 miles of 115kV from Brule - Ogallala	
	GEN-2016-079	\$10,000,000
	Total Allocated Costs	\$10,000,000
<hr/>		
Chappel - Colton 115kV CKT 1		\$15,500,000
	Rebuild approximately 21 miles of 115kV	
	GEN-2016-079	\$15,500,000
	Total Allocated Costs	\$15,500,000
<hr/>		
Chappel - Julesburg 115kV CKT 1		\$8,250,000
	Rebuild approximately 11 miles of 115kV	
	GEN-2016-079	\$8,250,000
	Total Allocated Costs	\$8,250,000
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Colton - Sidney 115kV CKT 1		\$5,000,000
	Rebuild approximately 7 miles of 115kV	
	GEN-2016-079	\$5,000,000
	Total Allocated Costs	\$5,000,000
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Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
	Build second 345/230/13kV transformer at Eddy County	
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
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Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
	Build second Eddy County - North Eddy County bus tie breaker	
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
	GEN-2016-074	\$15,000,000
	Total Allocated Costs	\$15,000,000
<hr/>		
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
	GEN-2016-076	\$3,500,000
	Total Allocated Costs	\$3,500,000
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GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
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GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
<hr/>		
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
<hr/>		
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
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GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
<hr/>		
Holt County - Grand Island 345kV CKT 1		\$250,000
NRIS only required upgrade: Upgrade terminal equipment		
	GEN-2016-079	\$250,000
	Total Allocated Costs	\$250,000
<hr/>		

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Julesburg - Big Springs 115kV CKT 1		\$6,000,000
Rebuild approximately 8 miles of 115kV		
	GEN-2016-079	\$6,000,000
	Total Allocated Costs	\$6,000,000
Keystone - Ogallala 115kV CKT 1		\$4,000,000
Build second circuit from Keystone - Ogallala 230kV		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
Keystone 345/115/13kV Transformer CKT 1		\$15,000,000
Build second Keystone 345/115/13kV transformer		
	GEN-2016-079	\$15,000,000
	Total Allocated Costs	\$15,000,000
LE West - Lea County Lovington 115kV CKT 2		\$750,000
NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit		
	GEN-2016-085	\$750,000
	Total Allocated Costs	\$750,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #10

Big Springs - Brule 115kV CKT 1		\$6,750,000
NRIS only required upgrade: Rebuild approximately 9 miles of 115kV		
GEN-2016-079		\$6,750,000
Total Allocated Costs		\$6,750,000
Brule - Ogallala 115kV CKT 1		\$10,000,000
NRIS only required upgrade: Rebuild approximately 14 miles of 115kV from Brule - Ogallala		
GEN-2016-079		\$10,000,000
Total Allocated Costs		\$10,000,000
Chappel - Colton 115kV CKT 1		\$15,500,000
NRIS only required upgrade: Rebuild approximately 21 miles of 115kV		
GEN-2016-079		\$15,500,000
Total Allocated Costs		\$15,500,000
Chappel - Julesburg 115kV CKT 1		\$8,250,000
NRIS only required upgrade: Rebuild approximately 11 miles of 115kV		
GEN-2016-079		\$8,250,000
Total Allocated Costs		\$8,250,000
Colton - Sidney 115kV CKT 1		\$5,000,000
NRIS only required upgrade: Rebuild approximately 7 miles of 115kV		
GEN-2016-079		\$5,000,000
Total Allocated Costs		\$5,000,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
GEN-2016-076		\$15,000,000
Total Allocated Costs		\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
GEN-2016-076		\$1,000,000
Total Allocated Costs		\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-074 Interconnection Costs		\$15,000,000
See One-Line Diagram.		
	GEN-2016-074	\$15,000,000
	Total Allocated Costs	\$15,000,000
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
	GEN-2016-076	\$3,500,000
	Total Allocated Costs	\$3,500,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$5,000,000
See One-Line Diagram.		
	GEN-2016-079	\$5,000,000
	Total Allocated Costs	\$5,000,000
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Holt County - Grand Island 345kV CKT 1		\$250,000
NRIS only required upgrade: Upgrade terminal equipment		
	GEN-2016-079	\$250,000
	Total Allocated Costs	\$250,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Julesburg - Big Springs 115kV CKT 1 **\$6,000,000**

NRIS only required upgrade: Rebuild approximately 8 miles of 115kV

GEN-2016-079 \$6,000,000

Total Allocated Costs **\$6,000,000**

Keystone - Ogallala 115kV CKT 1 **\$4,000,000**

Build second circuit from Keystone - Ogallala 230kV

GEN-2016-079 \$4,000,000

Total Allocated Costs **\$4,000,000**

Keystone 345/115/13kV Transformer CKT 1 **\$15,000,000**

Build second Keystone 345/115/13kV transformer

GEN-2016-079 \$15,000,000

Total Allocated Costs **\$15,000,000**

LE West - Lea County Lovington 115kV CKT 2 **\$750,000**

NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit

GEN-2016-085 \$750,000

Total Allocated Costs **\$750,000**

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #11

Big Springs - Brule 115kV CKT 1		\$6,750,000
Rebuild approximately 9 miles of 115kV		
	GEN-2016-079	\$6,750,000
	Total Allocated Costs	\$6,750,000
Brule - Ogallala 115kV CKT 1		\$10,000,000
Rebuild approximately 14 miles of 115kV from Brule - Ogallala		
	GEN-2016-079	\$10,000,000
	Total Allocated Costs	\$10,000,000
Chappel - Colton 115kV CKT 1		\$15,500,000
Rebuild approximately 21 miles of 115kV		
	GEN-2016-079	\$15,500,000
	Total Allocated Costs	\$15,500,000
Chappel - Julesburg 115kV CKT 1		\$8,250,000
Rebuild approximately 11 miles of 115kV		
	GEN-2016-079	\$8,250,000
	Total Allocated Costs	\$8,250,000
Colton - Sidney 115kV CKT 1		\$5,000,000
Rebuild approximately 7 miles of 115kV		
	GEN-2016-079	\$5,000,000
	Total Allocated Costs	\$5,000,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-074 Interconnection Costs		\$8,000,000
See One-Line Diagram.		
	GEN-2016-074	\$8,000,000
	Total Allocated Costs	\$8,000,000
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
	GEN-2016-076	\$3,500,000
	Total Allocated Costs	\$3,500,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$4,000,000
See One-Line Diagram.		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Holt County - Grand Island 345kV CKT 1		\$250,000
NRIS only required upgrade: Upgrade terminal equipment		
	GEN-2016-079	\$250,000
	Total Allocated Costs	\$250,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Keystone - Ogallala 115kV CKT 1 **\$4,000,000**

Build second circuit from Keystone - Ogallala 230kV

GEN-2016-079 \$4,000,000

Total Allocated Costs **\$4,000,000**

Keystone 345/115/13kV Transformer CKT 1 **\$15,000,000**

Build second Keystone 345/115/13kV transformer

GEN-2016-079 \$15,000,000

Total Allocated Costs **\$15,000,000**

LE West - Lea County Lovington 115kV CKT 2 **\$750,000**

NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit

GEN-2016-085 \$750,000

Total Allocated Costs **\$750,000**

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Appendix F. Cost Allocation by Upgrade Scenario #12

Chappel - Colton 115kV CKT 1		\$15,500,000
NRIS only required upgrade: Rebuild approximately 21 miles of 115kV		
	GEN-2016-079	\$15,500,000
	Total Allocated Costs	\$15,500,000
Colton - Sidney 115kV CKT 1		\$5,000,000
NRIS only required upgrade: Rebuild approximately 7 miles of 115kV		
	GEN-2016-079	\$5,000,000
	Total Allocated Costs	\$5,000,000
Eddy 345/230/13kV Transformer CKT 2		\$15,000,000
Build second 345/230/13kV transformer at Eddy County		
	GEN-2016-076	\$15,000,000
	Total Allocated Costs	\$15,000,000
Eddy County South - Eddy County North 230kV CKT 2		\$1,000,000
Build second Eddy County - North Eddy County bus tie breaker		
	GEN-2016-076	\$1,000,000
	Total Allocated Costs	\$1,000,000
GEN-2016-074 Interconnection Costs		\$8,000,000
See One-Line Diagram.		
	GEN-2016-074	\$8,000,000
	Total Allocated Costs	\$8,000,000
GEN-2016-076 Interconnection Costs		\$3,500,000
See One-Line Diagram.		
	GEN-2016-076	\$3,500,000
	Total Allocated Costs	\$3,500,000
GEN-2016-077 Interconnection Costs		\$1,000,000
See One-Line Diagram.		
	GEN-2016-077	\$1,000,000
	Total Allocated Costs	\$1,000,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

GEN-2016-078 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-078	\$2,500,000
	Total Allocated Costs	\$2,500,000
GEN-2016-079 Interconnection Costs		\$5,000,000
See One-Line Diagram.		
	GEN-2016-079	\$5,000,000
	Total Allocated Costs	\$5,000,000
GEN-2016-085 Interconnection Costs		\$2,000,000
See One-Line Diagram.		
	GEN-2016-085	\$2,000,000
	Total Allocated Costs	\$2,000,000
GEN-2016-086 Interconnection Costs		\$2,500,000
See One-Line Diagram.		
	GEN-2016-086	\$2,500,000
	Total Allocated Costs	\$2,500,000
Holt County - Grand Island 345kV CKT 1		\$250,000
NRIS only required upgrade: Upgrade terminal equipment		
	GEN-2016-079	\$250,000
	Total Allocated Costs	\$250,000
Keystone - Ogallala 115kV CKT 1		\$4,000,000
Build second circuit from Keystone - Ogallala 230kV		
	GEN-2016-079	\$4,000,000
	Total Allocated Costs	\$4,000,000
Keystone 345/115/13kV Transformer CKT 1		\$15,000,000
Build second Keystone 345/115/13kV transformer		
	GEN-2016-079	\$15,000,000
	Total Allocated Costs	\$15,000,000
LE West - Lea County Lovington 115kV CKT 2		\$750,000
NRIS only required upgrade: Build second Lea County West - Lea County Lovington 115kV circuit		
	GEN-2016-085	\$750,000
	Total Allocated Costs	\$750,000

* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

10.7 **G: FCITC Analysis Constraints Requiring Transmission Reinforcement**

See next page.

Scenario Number	Scenario Description	Group Name
Scenario #1	Group 6 HVER	06ALL_1
	Group 6 NRIS	06NR_1, 00NR_1
Scenario #2	Group 6 HVER	06ALL_2
	Group 6 NRIS	06NR_2, 00NR_2
Scenario #3	Group 6 HVER	06ALL_3
	Group 6 NRIS	06NR_3, 00NR_3
Scenario #4	Group 6 HVER	06ALL_4
	Group 6 NRIS	06NR_4, 00NR_4
Scenario #5	Group 6 HVER	06ALL_5
	Group 6 NRIS	06NR_5, 00NR_5
Scenario #6	Group 6 HVER	06ALL_6
	Group 6 NRIS	06NR_6, 00NR_6
Scenario #7	Group 6 HVER	06ALL_7
	Group 6 NRIS	06NR_7, 00NR_7
Scenario #8	Group 6 HVER	06ALL_8
	Group 6 NRIS	06NR_8, 00NR_8
Scenario #9	Group 6 HVER	06ALL_9
	Group 6 NRIS	06NR_9, 00NR_9
Scenario #10	Group 6 HVER	06ALL_10
	Group 6 NRIS	06NR_10, 00NR_10
Scenario #11	Group 6 HVER	06ALL_11
	Group 6 NRIS	06NR_11, 00NR_11
Scenario #12	Group 6 HVER	06ALL_12
	Group 6 NRIS	06NR_12, 00NR_12

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05148	113.0668	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_3	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05148	113.0668	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_4	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05148	113.0668	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_7	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4835	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_8	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4835	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_5	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4805	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_6	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4805	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_1	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4775	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_2	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4775	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_3	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4775	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_4	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	309.2	0.05148	112.4775	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_5	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0729	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_6	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0729	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_7	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0729	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_8	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0729	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_3	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0698	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_4	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0698	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_1	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0668	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_2	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	307.5	0.05149	113.0668	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_5	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5523	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_6	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5523	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_7	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5523	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_8	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5523	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_3	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5492	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_4	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5492	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_1	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5462	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
16WP	00NR_2	3	FROM->TO	G16_074	FT THOMPSON (FT2 KU1B) 345/230/13.8KV TRANSFORMER CKT 1	309.1	0.05149	112.5462	FT THOMPSON (FT2 KU1A) 345/230/13.8KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	127.9686	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	127.9027	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	127.9005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	127.8323	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.24727	118.9203	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.24727	118.8816	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.24727	118.8566	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.24727	118.818	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.27314	106.0873	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.27314	106.031	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.27314	106.0271	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.27314	105.9708	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	100.7946	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	100.7287	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	100.7264	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.26593	100.6605	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5609	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5609	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5506	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5506	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5335	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5335	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5233	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	119.5233	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3634	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3634	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3599	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3497	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	115.3497	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.3752	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03774	112.3752	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05029	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	122.1375	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	122.124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	121.734	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	121.7206	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	115.0004	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	114.9951	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	114.607	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	114.599	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.7394	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.7341	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.7073	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.702	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.2979	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.2925	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.2658	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.0918	106.2604	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	103.8456	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	103.8321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	103.442	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14962	103.4286	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	103.3048	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	103.3021	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	103.0116	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	103.0089	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	102.8448	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	102.8421	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	102.5516	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.1133	102.5489	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	100.6079	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	100.6026	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	100.2119	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_076	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09963	100.2065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.04783	121.3082	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.04783	121.2493	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.04783	113.2822	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.04783	113.2135	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_3	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.03217	111.8083	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_4	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.03217	111.7788	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_2	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.03217	103.8623	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.03217	103.8329	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.04783	100.5073	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	0	TO->FROM	G16_076	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.04783	100.4387	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.04783	111.6091	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.04783	111.5496	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.04783	103.4897	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.04783	103.4202	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09945	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.5039	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.5039	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.5018	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.5018	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.4975	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.4975	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.4932	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	130.4932	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.707	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.707	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.7048	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.7027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.6984	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.6984	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.6941	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	128.6941	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9753	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9753	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9711	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9668	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9668	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9625	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07738	126.9625	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.9173	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.9173	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.9151	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.9151	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.913	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.913	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.9109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09114	125.9109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7355	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7355	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7291	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7291	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7248	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	124.7248	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.648	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.648	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08628	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07685	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3373	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.1008	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8066	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3138	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3138	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3095	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3095	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3073	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3073	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3031	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07449	109.3031	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0998	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07177	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6565	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6565	P12:345:SPS:J04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6565	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6565	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07186	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20SP	00NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09851	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09853	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06887	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.966	System Intact	
17G	06NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.966	System Intact	
17G	06NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9639	System Intact	
17G	06NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9639	System Intact	
17SP	00NR_7	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.1073	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3421	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.34	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09429	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.1679	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.1636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.123	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07408	129.1209	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.8858	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.8836	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.8643	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.8622	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.8172	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.8151	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.7958	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.7937	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.5662	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.5641	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.5448	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.5426	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.4977	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.4955	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.4763	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06697	106.4741	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	101.11	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	101.1079	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	101.0438	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	101.0416	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	101.0074	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	101.0053	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.9412	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.9391	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.8139	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.8118	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.7477	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.7455	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.7113	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.7092	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.6451	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.05502	100.643	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2834	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2827	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2717	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2709	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2535	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2527	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.2417	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	133.241	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.4994	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.4986	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.4718	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29563	126.4711	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.6272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.6264	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.6154	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.6146	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.5973	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.5965	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.5855	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	124.5847	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.6072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.6064	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.5521	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.2487	120.5513	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0922	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0914	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0623	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0615	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0489	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0481	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.0198	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	119.019	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4425	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4417	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4307	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4299	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4126	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4118	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4008	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27534	115.4	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22752	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.9768	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.976	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.9469	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.9461	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.9336	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.9328	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	110.9045	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22184	103.9824	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22184	103.9824	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0657	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0649	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0547	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0547	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0507	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0507	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0405	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21305	103.0405	P12:230:SPS:K53.1.NICHLS.GRAPE	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2914	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2906	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2615	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2607	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2481	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2473	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.219	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.21376	102.2182	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21392	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
20L	06NR_5	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17803	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.8509	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.8501	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.8297	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.7927	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.7919	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.3763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.3755	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.3559	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.3551	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.3181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.3173	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29657	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.4416	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.3959	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.3951	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.3747	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	147.3747	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	144.0163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	144.0163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	143.9958	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	143.995	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	143.9494	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	143.9486	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	143.9282	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28424	143.9282	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4996	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.498	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4697	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4681	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4446	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4438	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4147	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	142.4139	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.24	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.2384	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.2101	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.2085	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.185	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.1842	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.1551	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.24323	139.1543	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.7016	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.7008	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.7001	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.6993	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.671	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	137.6702	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.8537	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.8529	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.8239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.8231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.787	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.7862	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.7571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	135.7563	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.4188	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.418	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.4173	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.4165	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.3882	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24791	134.3874	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.7546	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.7538	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.7247	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.7239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.6877	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.687	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.6714	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.6706	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.6579	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	132.6571	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.6415	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.6408	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.6046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.6039	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.5748	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2337	132.574	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.7871	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.7871	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.7698	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.769	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.7383	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.7383	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.721	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26647	130.7202	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.6028	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.6021	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.573	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.5722	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.536	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.5352	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.5061	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193	0.20558	129.5054	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.7304	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.7304	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.7194	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.7186	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.6989	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.6982	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.6871	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	128.6871	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4981	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4973	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.48	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4792	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4415	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4234	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.26386	127.4226	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.6212	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.6204	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.5613	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23751	126.5605	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5859	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5851	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5764	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.574	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5653	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	125.5645	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.523	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.5222	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.5026	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.5018	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1886	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1878	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1681	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1673	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.238	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4666	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4658	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4579	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4571	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4547	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4539	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23351	121.4452	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23635	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.7164	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.7156	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23999	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1827	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1819	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1277	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2116	120.1269	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.7446	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23188	119.7438	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4601	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4593	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4183	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4175	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4034	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.4026	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.3342	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.3334	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2924	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2917	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2775	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2767	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2418	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2411	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.2001	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.1993	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.1852	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	119.1844	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.1054	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.1046	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.0912	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.0904	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.9962	P12:138:WFEC:MSL03	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.9805	P12:138:WFEC:MSL03	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.9797	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.9435	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.9427	P12:138:WFEC:MSL03	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.927	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22717	118.927	P12:138:WFEC:MSL03	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.9239	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.9231	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.921	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.9202	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.9105	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.9097	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.9069	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.9061	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.8853	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.8853	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.8809	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.8809	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.8719	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23011	118.8719	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.8668	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21129	118.8668	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7802	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7795	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7653	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7653	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7385	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7377	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7236	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22503	118.7228	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1765	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1568	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1561	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1459	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1459	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1262	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	116.1254	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.5821	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.5805	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.5719	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.5711	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.568	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.5672	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.5586	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21786	115.557	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6813	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6805	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6727	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6719	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6672	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6664	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6585	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.6578	PAOLA 161/115KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23253	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.5055	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.5047	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.4968	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.496	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.4913	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.4905	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.4827	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21755	114.4819	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0851	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0851	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0709	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0701	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0441	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0441	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.03	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21969	114.0292	System Intact	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.8801	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.8786	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.8518	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.8378	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.837	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.8337	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.833	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.807	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21611	113.8062	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3047	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20385	113.3039	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8407	P12:345:SPS:FINNEY-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22454	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.5982	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.5974	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.562	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.5612	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.222	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4694	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4686	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.3333	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.3333	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.3168	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.3168	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.3019	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.3011	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2829	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2829	P12:138:WFEC:MSL01	
20WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.2673	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.2673	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.2524	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20351	112.2524	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.6613	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.6613	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.6456	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2154	111.6456	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.6348	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.6341	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.6152	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.6144	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.6042	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.6042	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.5845	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	111.5838	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.4876	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.4869	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.4837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.4829	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.468	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.468	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.4641	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	111.4633	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	111.0081	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	111.0073	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	110.9908	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	110.9901	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	110.9735	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	110.9728	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	110.9555	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19584	110.9555	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.9416	P12:138:WFEC:MSL03	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.9408	P12:138:WFEC:MSL03	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.918	P12:138:WFEC:MSL03	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.9173	P12:138:WFEC:MSL03	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.8992	P12:138:WFEC:MSL03	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.8984	P12:138:WFEC:MSL03	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.8756	P12:138:WFEC:MSL03	
20WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.8752	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19604	110.8748	P12:138:WFEC:MSL03	
20WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.8744	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.8485	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.8477	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.8194	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.8186	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.7927	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21527	110.7919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.3444	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.3436	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.3248	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.324	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.3138	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.3138	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.2941	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.197	110.2933	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.7953	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.7945	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.7818	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.7818	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.751	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.751	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.7383	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19599	109.7383	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.4726	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.4718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.4514	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.4506	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.4051	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.4043	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.3839	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	108.3839	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1948	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1932	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1924	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1909	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1681	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1673	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1657	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2211	108.1649	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4277	P12:138:WFEC:MSL03	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4262	P12:138:WFEC:MSL03	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4262	P12:138:WFEC:MSL03	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4254	P12:138:WFEC:MSL03	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.4176	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.4168	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.4137	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.4129	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4042	P12:138:WFEC:MSL03	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4034	P12:138:WFEC:MSL03	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4026	P12:138:WFEC:MSL03	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19938	107.4018	P12:138:WFEC:MSL03	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.398	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.398	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.3941	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	107.3933	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3412	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3412	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3365	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3365	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3341	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3341	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3293	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	107.3293	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.2398	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.239	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.2241	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.2241	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.1902	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.1902	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.1753	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21029	107.1745	System Intact	
17G	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6803	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6795	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6724	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6716	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6668	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.666	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6589	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22869	106.6581	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.3477	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.3462	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.3305	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20069	106.3289	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1363	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1355	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1324	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1316	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.1127	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20042	106.112	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.8321	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.8314	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.8109	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.8102	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.7646	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.7638	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29368	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6167	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6143	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6143	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6095	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20378	101.6095	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.1107		System Intact
17G	06ALL_1	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.1099		System Intact
17G	06ALL_3	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.0879		System Intact
17G	06ALL_4	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.0879		System Intact
17G	06ALL_6	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.0714		System Intact
17G	06ALL_5	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.0706		System Intact
17G	06ALL_7	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.0494		System Intact
17G	06ALL_8	0	TO->FROM	G16_076	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18183	101.0486		System Intact
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04083	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	132.7577	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.031	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	127.5431	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03515	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03503	122.057	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03094	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03096	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03007	115.0674	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04334	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6601	P12:138:WFEC:MSL14	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6601	P12:138:WFEC:MSL14	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	P12:138:WFEC:MSL14	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	P12:138:WFEC:MSL14	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	P12:138:WFEC:MSL14	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.655	P12:138:WFEC:MSL14	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6499	P12:138:WFEC:MSL14	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0306	114.6499	P12:138:WFEC:MSL14	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03906	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04149	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03023	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_076	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03287	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.46068	108.7732	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.46068	108.7622	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.46068	108.7145	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.46068	108.7036	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.46456	107.7443	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.46456	107.728	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.46456	107.6904	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	0	TO->FROM	G16_076	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.46456	107.6742	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.79258	108.2192	System Intact	
17G	06ALL_4	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.79258	108.1982	System Intact	
17G	06ALL_2	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.79258	108.1681	System Intact	
17G	06ALL_1	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.79258	108.1471	System Intact	
20L	06ALL_3	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.76899	105.6575	System Intact	
20L	06ALL_2	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.76899	105.6089	System Intact	
20L	06ALL_4	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.76899	105.5722	System Intact	
20L	06ALL_1	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.76899	105.5236	System Intact	
17G	06NR_3	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.81746	104.6074	System Intact	
17G	06NR_2	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.81746	104.5616	System Intact	
17G	06NR_4	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.81746	104.4661	System Intact	
17G	06NR_1	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.81746	104.4203	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.7899	103.9172	System Intact	
20SP	06ALL_2	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.7899	103.8687	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.7899	103.832	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.7899	103.7834	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.7958	100.7241	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.7958	100.7031	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.7958	100.673	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.7958	100.652	System Intact	
17G	06NR_3	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	142.9018	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	142.842	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	134.7479	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	134.6781	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	129.9118	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	129.882	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	121.8562	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	121.8263	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	121.7694	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	121.6996	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	113.92	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	113.8901	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	113.6055	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04783	113.5457	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03732	112.9153	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03732	112.8554	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	105.8644	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03217	105.8345	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03732	104.6517	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03732	104.5919	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03732	102.0002	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03732	101.9404	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04645	101.7481	P12:345:SPSJ02.1.TOLK.EDDY	
17G	06NR_8	0	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.04645	101.6883	P12:345:SPSJ02.1.TOLK.EDDY	
17G	06NR_2	0	TO->FROM	G16_076	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14062	110.6015	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_076	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14062	110.5962	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14062	109.4146	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14062	109.4066	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	134.7605	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	134.7005	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	126.5718	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	126.5017	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.03217	122.5767	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.03217	122.5467	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.03217	114.4867	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.03217	114.4567	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	113.5379	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	113.4678	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.03217	106.5167	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.03217	106.4867	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	105.3392	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.04783	105.2791	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03732	104.5392	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03732	104.4792	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.04783	128.078	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.04783	128.0192	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.04783	120.0604	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.04783	119.9918	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_3	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.03217	117.0261	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_4	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.03217	116.9967	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_2	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.03217	109.0884	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.03217	109.059	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.04783	107.2989	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.04783	107.2303	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_7	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.03217	101.2685	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_8	0	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.03217	101.239	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.04783	103.6726	P12:345:SPSJ15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_076	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.04783	103.6131	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7099	145.2078	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7099	145.1764	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7099	145.0645	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7099	145.0331	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70581	141.5572	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70581	141.5043	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70581	141.414	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70581	141.363	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70062	134.4099	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70062	134.3785	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70062	134.2665	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70062	134.2351	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.69539	131.665	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.69539	131.612	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.69539	131.5217	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.69539	131.4686	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.70141	130.8759	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.70141	130.8246	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.70162	130.7892	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.70141	130.7556	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.70162	130.7381	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.70141	130.7043	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.70162	130.6673	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.70162	130.6162	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70547	129.6905	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70547	129.6572	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70547	129.5472	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70547	129.5139	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70116	127.8343	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70116	127.8029	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70116	127.693	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70116	127.6597	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.69681	127.6505	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.69681	127.5798	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.69681	127.5306	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.1	0.69681	127.4598	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.70068	127.2651	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.69619	127.0545	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.69619	126.9836	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.69619	126.9343	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.7	0.69619	126.8613	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.7022	126.2852	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.7022	126.2322	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.7022	126.1439	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.7022	126.0889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69604	123.8143	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69604	123.7613	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69604	123.6711	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.3	0.70068	123.6314	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69604	123.6181	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.3	0.70068	123.603	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_3	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.3	0.70068	123.5018	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_2	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.3	0.70068	123.4734	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.6943	122.6492	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.8	0.09853	102.9296	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1752	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1752	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1731	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1731	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1564	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1564	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1522	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06887	102.1522	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8553	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8553	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8532	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8532	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8366	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8366	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8324	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06887	101.8324	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.5218	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.5218	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.5156	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.5156	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03257	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.18325	107.0876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.18325	107.0849	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.18325	106.8834	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.18325	106.8807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.5709	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.5697	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.4967	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	183.4955	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	179.0562	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	179.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	178.982	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2311	178.9808	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.9193	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.9169	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.9169	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.9157	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.8833	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.8821	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.8809	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	172.8797	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.6706	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.5633	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	169.5633	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6476	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6452	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6452	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.644	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6116	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6105	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6093	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19567	168.6081	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.8422	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.841	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.8087	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.8075	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.7453	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.7441	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.7118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22217	165.7106	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22359	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.9751	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.9739	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.9429	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.9417	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.8689	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.8677	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.8367	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2185	155.8355	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.7578	System Intact	
20L	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.7565	System Intact	
20L	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.7274	System Intact	
20L	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.726	System Intact	
20L	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.6863	System Intact	
20L	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.685	System Intact	
20L	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.6559	System Intact	
20L	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11641	154.6545	System Intact	
17G	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.3931	System Intact	
17G	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.3917	System Intact	
17G	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.3613	System Intact	
17G	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.36	System Intact	
17G	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.3308	System Intact	
17G	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.3295	System Intact	
17G	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.299	System Intact	
17G	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14666	153.299	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.4939	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.4926	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.4634	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.4621	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.4224	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.421	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.3919	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14537	152.3906	System Intact	
17SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.2317	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.2317	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.2106	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.2093	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.1684	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.1684	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.146	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17351	152.146	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.272	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.2707	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.2693	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.268	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.2416	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.2402	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.2389	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14989	150.2376	System Intact	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7326	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7207	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7196	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.71	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	143.7088	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.0934	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.092	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.071	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.071	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.0224	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.0224	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.0014	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17105	142.0001	System Intact	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9653	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9641	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9522	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.951	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9415	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16985	138.9403	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.4389	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.4378	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.4045	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.4033	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	136.3902	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8508	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8497	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8164	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8152	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8021	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13727	131.8021	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.5173	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.5161	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.4923	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.4911	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.4351	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.4339	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.4089	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	121.4089	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.8191	System Intact	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.8178	System Intact	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.81	System Intact	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.81	System Intact	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.8086	System Intact	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.8073	System Intact	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.7995	System Intact	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12089	117.7995	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.2263	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.2251	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.2013	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.2001	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.1441	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.143	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.118	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23066	117.118	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.4333	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.4322	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12541	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09785	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.1564	System Intact	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.1564	System Intact	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.1459	System Intact	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.1459	System Intact	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.1184	System Intact	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.1184	System Intact	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.108	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09691	116.108		System Intact
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.985		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9838		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9767		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9755		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9731		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9719		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9648		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1372	115.9636		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3931		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3919		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3812		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3812		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3526		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3526		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3407		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11253	115.3407		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.4015		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.4004		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.3932		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.3932		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.392		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.3908		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.388		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3868		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.3837		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	114.3837		G14-057T 345.00 - G14571545159345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3809		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3797		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3785		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3773		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3714		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1269	114.3702		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3449		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3449		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3354		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3354		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3104		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3104		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3009		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10204	114.3009		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.7159		P12:138:WFEC:MSL03
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.7159		P12:138:WFEC:MSL03
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.7088		P12:138:WFEC:MSL03
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.7076		P12:138:WFEC:MSL03
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.7064		P12:138:WFEC:MSL03
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.7052		P12:138:WFEC:MSL03
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.6981		P12:138:WFEC:MSL03
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12782	113.6969		P12:138:WFEC:MSL03
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.6142		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.613		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.607		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.6058		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.6046		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.6046		P12:345:SPS:J04.1.FINN.HOLC(534)

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3732	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.372	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3661	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3649	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13016	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09691	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0638	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0626	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0602	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.059	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0542	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0531	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0507	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13027	112.0507	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.792	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7908	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7825	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7813	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12535	111.7742	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6746	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6734	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.662	P12:345:SPS:FINNEY-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.662	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6608	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10453	111.6608	P12:345:SPS:J07.1.FINN.HITCH	
16WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.505	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.5039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.4955	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.4943	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.492	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.4908	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.4813	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	111.4813	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1929	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1917	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1834	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1822	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9743	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12284	110.9731	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.9015	P12:138:WFEC:MSL03	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.9015	P12:138:WFEC:MSL03	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.892	P12:138:WFEC:MSL03	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.8908	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8885	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8874	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.879	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8778	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.8647	P12:138:WFEC:MSL03	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.8647	P12:138:WFEC:MSL03	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.8551	P12:138:WFEC:MSL03	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10336	110.8551	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7617	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7605	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7522	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.751	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7328	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7316	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7232	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.7221	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.6983	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.6971	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.6888	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.6876	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12089	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5725	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5713	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5629	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5629	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5463	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5451	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5368	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10541	110.5368	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.3166	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.3154	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.2916	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.2904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0758	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0746	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0508	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0496	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09783	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5406	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09766	109.5395	P12:345:AEPW-PITTSB-7:VALIANT7	
25SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22513	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7395	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7383	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.73	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7288	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7264	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7253	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7157	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17448	106.7157	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3657	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3645	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3039	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	106.3039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2474	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2462	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2403	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2391	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2379	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2367	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2308	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1272	104.2296	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13101	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.7753	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.7741	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.7135	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17447	101.7135	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0485	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0473	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0461	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0449	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.039	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12902	101.0378	CIMARRON - DRAPER LAKE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.9636	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.9636	System Intact	
25SP	06ALL_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.9426	System Intact	
25SP	06ALL_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.9413	System Intact	
25SP	06ALL_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.8928	System Intact	
25SP	06ALL_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.8928	System Intact	
25SP	06ALL_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.8718	System Intact	
25SP	06ALL_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17637	100.8718	System Intact	
16WP	00NR_1	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.354	System Intact	
16WP	00NR_2	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3527	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_5	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3449	System Intact	
16WP	00NR_6	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3449	System Intact	
16WP	00NR_3	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3423	System Intact	
16WP	00NR_4	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3423	System Intact	
16WP	00NR_8	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3344	System Intact	
16WP	00NR_7	0	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12311	100.3331	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.3678	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.3667	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.2941	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	194.2929	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.8668	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.8656	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.793	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2311	189.7918	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4822	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4798	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4798	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4786	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4464	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4453	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4441	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	183.4429	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	181.0836	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.243	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2407	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2407	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2395	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2073	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2061	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2049	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19567	179.2038	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.7981	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22359	176.7981	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.7426	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.7414	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.7093	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.7081	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.6463	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.6451	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.613	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22217	176.6118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.5385	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.5373	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.5064	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.5052	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.4327	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.4315	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.4006	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2185	167.3994	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.85	System Intact	
20L	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.8487	System Intact	
20L	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.8199	System Intact	
20L	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.8186	System Intact	
20L	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.7793	System Intact	
20L	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.778	System Intact	
20L	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.7492	System Intact	
20L	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11641	165.7479	System Intact	
17G	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.7612	System Intact	
17G	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.7598	System Intact	
17G	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.7297	System Intact	
17G	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.7284	System Intact	
17G	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.6996	System Intact	
17G	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.6983	System Intact	
17G	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.6681	System Intact	
17G	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14666	164.6681	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.2172	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.2172	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.1963	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.195	System Intact	
17SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.1544	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.1544	System Intact	
17SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.1322	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17351	164.1322	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.9025	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.9012	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.8723	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.8711	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.8317	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.8304	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.8016	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14537	163.8003	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9417	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9404	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9391	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9378	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9116	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9102	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9089	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14989	161.9076	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.9103	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.9091	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.8972	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.896	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.8865	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	156.8853	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.8213	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.82	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.7991	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.7991	System Intact	
20SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.7506	System Intact	
20SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.7506	System Intact	
20SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.7297	System Intact	
20SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17105	154.7284	System Intact	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1333	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1321	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1202	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.119	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1095	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16985	152.1083	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.3979	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.3967	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.3633	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.3622	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.8057	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.8045	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.7712	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.77	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.7569	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13727	144.7569	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	134.042	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	134.0408	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	134.0171	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	134.0159	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	133.96	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	133.9588	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	133.9338	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	133.9338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2921	System Intact	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2908	System Intact	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2829	System Intact	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2829	System Intact	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2816	System Intact	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2803	System Intact	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2724	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12089	132.2724	System Intact	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.398	System Intact	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.398	System Intact	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.3876	System Intact	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.3876	System Intact	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.3601	System Intact	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.3601	System Intact	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.3496	System Intact	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09691	130.3496	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.7708	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.7696	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.7458	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.7446	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.6888	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.6876	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.6626	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23066	129.6626	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5613	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5601	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12541	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09785	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.1121	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.1109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.1038	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.1026	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.1002	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.099	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.0919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1372	129.0907	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.3333	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.3321	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11253	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.5123	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.5112	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.5052	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.504	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.5028	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.5016	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.4957		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1269	127.4945		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2842		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2842		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2746		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2746		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2497		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2497		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2401		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10204	127.2401		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.839		P12:138:WFEC:MSL03
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.839		P12:138:WFEC:MSL03
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.8319		P12:138:WFEC:MSL03
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.8307		P12:138:WFEC:MSL03
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.8295		P12:138:WFEC:MSL03
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.8283		P12:138:WFEC:MSL03
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.8212		P12:138:WFEC:MSL03
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12782	126.82		P12:138:WFEC:MSL03
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7371		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7359		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7299		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7288		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7276		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7276		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7204		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.7204		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.4957		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.4945		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.4886		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.4874		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.4862		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.4862		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.479		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13016	126.479		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1818		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1807		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1723		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1711		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1688		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1676		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1581		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	126.1581		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.9117		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.9105		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.9022		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.901		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.895		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12535	124.8939		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.652		P12:345:SPSJ07.1.FINN.HITCH
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.652		P12:345:SPSJ07.1.FINN.HITCH
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.652		P12:345:SPSJ07.1.FINN.HITCH
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.652		P12:345:SPSJ07.1.FINN.HITCH

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.652	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6425	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6425	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6425	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6425	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6425	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6425	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6199	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6199	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6199	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6199	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6199	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6199	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6116	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6116	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6116	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6104	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6104	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10453	124.6104	P12:345:SPS:WALKEMEYER-HITCHLAND	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.3115	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.3103	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.3032	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.3032	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.302	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.3008	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.2937	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.2937	P13:138-24:AEPW:TURK 4	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1219	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1219	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1147	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1147	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1124	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1124	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.1052	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12284	124.104	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.0066	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	124.0054	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.9971	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.9959	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8506	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8494	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.841	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.8398	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.39	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.3888	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.3805	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.3793	P13:345-18:AEPW:WELSH 7_#3	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.265	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.2638	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.24	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.2388	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.2264	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.2252	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.2168	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.2156	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.0113	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	123.0101	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	122.9863	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	122.9851	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09783	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.5324	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.5324	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.5229	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.5229	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.4979	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.4979	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.4883	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09766	122.4872	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22513	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.4163	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.4151	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.4068	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.4056	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.4032	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.402	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.3925	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17448	121.3925	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.098	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0968	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0837	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0837		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0492		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0492		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0362		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	121.0362		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9242		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9231		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9171		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9159		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9147		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9136		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9076		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1272	118.9064		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.7398		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.7398		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.7303		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.7303		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.7065		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.7065		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.697		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13101	116.697		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.5186		System Intact
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.5173		System Intact
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.5095		System Intact
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.5095		System Intact
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.5082		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.507		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.5069		System Intact
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.5069		System Intact
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.499		System Intact
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12311	116.4977		System Intact
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.4939		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.4939		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.4594		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.4594		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.4463		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17447	116.4463		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7451		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7451		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.738		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7368		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7356		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7344		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7285		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12902	115.7273		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2436		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2436		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2436		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2436		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2365		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2365		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2353		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	115.2353		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
25SP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.7552		System Intact
25SP	06ALL_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.7552		System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.7343	System Intact	
25SP	06ALL_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.7329	System Intact	
25SP	06ALL_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.6845	System Intact	
25SP	06ALL_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.6845	System Intact	
25SP	06ALL_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.6636	System Intact	
25SP	06ALL_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17637	114.6636	System Intact	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7946	System Intact	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7946	System Intact	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7841	System Intact	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7841	System Intact	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7566	System Intact	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7566	System Intact	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7461	System Intact	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.127	113.7461	System Intact	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13423	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12463	113.1202	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12463	113.1191	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12463	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12463	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10449	112.147	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10449	112.1459	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10449	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10449	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0164	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0164	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0152	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0152	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0069	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0069	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0057	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12089	112.0057	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4336	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4324	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12481	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.4117	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.4105	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.3939	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	111.3927	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.9353	P12:138:WFEC:MSL03	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.9353	P12:138:WFEC:MSL03	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.927	P12:138:WFEC:MSL03	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.927	P12:138:WFEC:MSL03	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.9258	P12:138:WFEC:MSL03	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.9246	P12:138:WFEC:MSL03	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.9174	P12:138:WFEC:MSL03	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13041	110.9163	P12:138:WFEC:MSL03	
17SP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.8263	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.8251	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.8132	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.812	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.812	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.8108	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.7989	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	110.7989	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5893	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5881	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5869	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.5797	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09691	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.5113	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.5101	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.5042	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.503	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.337	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3358	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3346	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3334	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3274	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1259	110.3263	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.726	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7249	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7134	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7122	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7082	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.6955	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.6944	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5734	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5722	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5663	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5651	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12755	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3205	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3193	P13:138-24:AEPW:TURK 4	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3121	P13:138-24:AEPW:TURK 4	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3121	P13:138-24:AEPW:TURK 4	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3098	P13:138-24:AEPW:TURK 4	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3098	P13:138-24:AEPW:TURK 4	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3026	P13:138-24:AEPW:TURK 4	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.3014	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.0923	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.0911	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0788	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0776	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.0745	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12311	109.0733	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0692	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.068	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9497	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12226	108.9485	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5094	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.5082	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.4852	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.484	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.4757	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.4745	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12879	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2558	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1298	108.2546	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.1424	P12:138:WFEC:MSL03	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.1424	P12:138:WFEC:MSL03	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.1329	P12:138:WFEC:MSL03	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.1329	P12:138:WFEC:MSL03	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.1067	P12:138:WFEC:MSL03	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.1055	P12:138:WFEC:MSL03	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.096	P12:138:WFEC:MSL03	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13439	108.096	P12:138:WFEC:MSL03	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2041	CARTCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	107.2041	CARTCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13239	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.5701	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.127	106.5701	P13:138-24:AEPW:PIRKEY 4	
17SP	00NR_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0525	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0406	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18097	106.0406	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4024	System Intact	
17G	06NR_1	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.1433	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.1416	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.1242	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.1225	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.1182	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.1164	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.0982	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	103.0965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.394	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3923	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3749	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3689	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3671	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3489	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21256	102.3472	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.3313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.3295	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.3148	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.3018	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.2992	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.2844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	100.2827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	158.4563	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	158.3887	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	157.8507	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	157.778	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	156.4259	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	156.3609	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	155.8229	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	155.7501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	145.2512	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	145.1815	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36739	143.9852	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36739	143.9075	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	143.1626	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	143.0929	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36739	141.8965	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36739	141.8189	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21214	123.2694	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21214	123.2346	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21122	122.4116	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21122	122.3687	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21214	122.1026	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21214	122.0678	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21122	121.2421	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21122	121.2019	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	117.2524	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_6	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	117.1848	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_7	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	116.9458	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	116.8704	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	115.2246	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_5	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37166	115.157	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_8	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	114.918	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37088	114.8426	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1995	114.7785	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1995	114.7411	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1995	113.4057	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19815	113.3714	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1995	113.3682	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19815	113.3339	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19815	111.9985	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19815	111.9584	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21487	111.6322	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21487	111.5974	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21382	110.5892	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21382	110.549	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21487	110.4631	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21487	110.4283	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21382	109.4227	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21382	109.3799	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19678	108.5336	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19678	108.4971	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21519	107.2337	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19678	107.1977	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19678	107.1612	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19557	106.9761	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_2	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19557	106.9397	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.2139	105.9282	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19557	105.6402	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.19557	105.6038	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	102.8443	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	102.7747	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36739	101.8515	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36739	101.7765	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	100.7531	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36801	100.6861	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	173.052	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	173.0508	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	172.997	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	172.9946	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	172.8895	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	172.8871	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	172.8334	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	172.8322	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.7876	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.7865	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.7303	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.6252	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.6228	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.5691	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25709	166.5679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	166.1245	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	166.1233	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	166.0708	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	166.0696	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	165.9468	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	165.9456	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	165.8932	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	165.892	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	161.1318	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	161.1294	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	161.065	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	161.0626	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	160.9744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	160.9732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	160.9089	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	160.9065	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.8062	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.805	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.7525	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.7513	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.6285	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.6273	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.5748	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.25224	159.5736	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	157.0908	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	157.0896	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	157.0265	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	157.0253	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	156.9133	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	156.9121	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	156.8502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	156.8478	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	155.1336	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	155.1312	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	155.0668	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	155.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	154.9762	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	154.975	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	154.9106	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.21571	154.9083	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.2312	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.2288	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.2098	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.2062	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.1669	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.1646	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.1455	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	151.142	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	151.1211	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	151.1199	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	151.0567	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	151.0555	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	150.9436	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	150.9424	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	150.8804	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.2135	150.878	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.1787	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.1763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.1573	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.1537	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.1144	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.112	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.093	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.2187	145.0894	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	122.0675	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	122.0663	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	122.0317	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	122.0305	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	121.9648	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	121.9636	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	121.929	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	121.9277	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.9863	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.9851	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.9504	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.9492	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.8836	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.8824	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.8477	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2011	118.8465	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.9053	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.9041	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.8518	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.8506	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.7281	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.7269	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.6746	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	115.6734	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.2488	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.2476	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.1953	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.1941	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.0716	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.0704	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.0181	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.2595	109.0169	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.7072		System Intact
17SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.7059		System Intact
17SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.6572		System Intact
17SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.6559		System Intact
17SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.5612		System Intact
17SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.5598		System Intact
17SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.5112		System Intact
17SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16573	103.5099		System Intact
17SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.8781		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.8769		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.8602		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.8578		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.8028		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.8016		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.7849		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20039	102.7825		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.7698		System Intact
20SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.7685		System Intact
20SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.7213		System Intact
20SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.72		System Intact
20SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.6455		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.6432		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.6324		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.63		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.6097		System Intact
20SP	06ALL_6	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.6097		System Intact
20SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.5728		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.5704		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.5624		System Intact
20SP	06ALL_8	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.16287	101.5611		System Intact
20SP	06ALL_3	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.5597		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_076	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19803	101.5573		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0801	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0793	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0596	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0588	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0216	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0208	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0011	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	147.0011	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5836	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5828	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.563	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5623	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5251	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5243	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29657	143.5046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.5114	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.5114	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.4909	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.4901	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.4444	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.4436	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.4231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	136.4231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	133.0553	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	133.0553	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	133.0348	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	133.034	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	132.9883	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	132.9875	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	132.967	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28424	132.967	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.5454	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.5438	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.5154	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.5139	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.4902	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.4894	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.4603	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	131.4595	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.2849	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.2833	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.2549	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.2534	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.2297	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.2289	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.1997	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.24323	128.199	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6422	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6414	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6398	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6115	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	126.6107	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.7801	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.7793	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.7502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.7494	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.7132	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.7124	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.6833	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	124.6825	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3444	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3428	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.342	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3137	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24791	123.3129	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.767	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.7662	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.737	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.7363	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.7	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.6992	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.67	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	121.6692	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.5832	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.5825	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.5533	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.5526	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.5163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.5156	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.4864	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.2337	121.4856	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.8856	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.8848	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.8366	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26647	119.8358	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.6065	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.6057	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.5766	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.5758	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.5395	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.5387	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.5096	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.20558	118.5088	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8357	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8349	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8151	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8143	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8033	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	117.8033	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.4829	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.4821	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.4648	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.464	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.4261	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.4254	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.408		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.26386	116.4072		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.7209		P12:138:WFEC:MSL03
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.7201		P12:138:WFEC:MSL03
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.7051		P12:138:WFEC:MSL03
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.7051		P12:138:WFEC:MSL03
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.6758		P12:138:WFEC:MSL03
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.6758		P12:138:WFEC:MSL03
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.6608		P12:138:WFEC:MSL03
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23751	115.66		P12:138:WFEC:MSL03
17G	06NR_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8873		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8865		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8786		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8778		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8754		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8746		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8666		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	114.8658		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.6257		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.6257		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.6146		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.6138		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.5941		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.5933		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.5822		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	113.5822		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.286		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.286		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.275		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.2742		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.2544		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.2536		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.2426		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.238	112.2426		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7446		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7438		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7359		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7351		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7327		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7319		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.724		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23351	110.7232		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2501		P12:345:SPS:FINNEY-HITCHLAND
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2501		P12:345:SPS:J07.1.FINN.HITCH
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2501		P12:345:SPS:WALKEMEYER-HITCHLAND
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2501		P12:345:SPS:FINNEY-HITCHLAND
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2501		P12:345:SPS:J07.1.FINN.HITCH
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2501		P12:345:SPS:WALKEMEYER-HITCHLAND
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2375		P12:345:SPS:FINNEY-HITCHLAND
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2375		P12:345:SPS:J07.1.FINN.HITCH
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2375		P12:345:SPS:WALKEMEYER-HITCHLAND
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2375		P12:345:SPS:FINNEY-HITCHLAND
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2375		P12:345:SPS:J07.1.FINN.HITCH
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2375		P12:345:SPS:WALKEMEYER-HITCHLAND
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2138		P12:345:SPS:FINNEY-HITCHLAND

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23635	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.8016	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.8008	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23999	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1731	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1723	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1179	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.2116	109.1171	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23188	108.8253	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.5405	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.5397	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.4986	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.4978	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.4836	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.4828	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.4141	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.4133	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3722	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3714	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3572	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3564	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3214	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3206	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.3064	POCASSETT - TUTTLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.2795	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.2787	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.2645	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22503	108.2637	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0927	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0919	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0786	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0778	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	108.0022	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	108.0014	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	107.9888	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	107.988	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.9659	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.9659	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	107.9635	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	107.9635	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.9501	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	107.95	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23011	107.95	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.9493	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.913	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.9122	P12:138:WFEC:MSL03	
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.9079	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.9071	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.8964	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22717	107.8964	P12:138:WFEC:MSL03	
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.8937	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.8929	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.8677	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.8677	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.8535	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21129	107.8535	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.1471	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.1463	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.1274	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.1266	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.1163	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.1163	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.0966	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	105.0958	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.4782	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.4766	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.4679	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.4671	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.464	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.4632	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.4545	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21786	104.453	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5755	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5748	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5669	PAOLA 161/115KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5661	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5614	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5606	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5527	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.5519	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23253	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3993	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3985	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3907	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3899	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3852	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3844	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3765	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21755	103.3757	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.1446	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.1446	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.1304	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.1296	System Intact	
20L	06NR_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.105	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.1042	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.1035	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.1035	System Intact	
20L	06NR_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.0893	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21969	103.0885	System Intact	
20L	06NR_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19599	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.851	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.825	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.8242	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.8061	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.8053	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.7793	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.21611	102.7785	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.1876	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20385	102.1868	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.8074	P12:345:SPS:J07.1.FINN.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22454	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.5501	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.5493	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.5138	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.513	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.222	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.3506	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.3498	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.2255	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.2255	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1978	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1978	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1828	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.182	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1482	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1482	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1332	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20351	101.1332	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1236	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1236	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1078	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2154	101.1078	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.5925	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.5917	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.5728	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.572	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.5617	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.5617	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.542	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1190	0.197	100.5412	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3746	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3715	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3707	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.3518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_076	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20042	100.351	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.7827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.7801	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07708	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.953	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.9503	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.9097	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.8636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06053	133.8609	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.2235	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.2208	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.2047	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.202	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.8793	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.8766	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.8605	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.8578	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05718	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.5673	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.5646	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.5216	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.5216	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.5135	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.5135	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.4705	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	116.4705	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.8095	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.8068	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.2382	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.2355	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.1925	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.1898	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.2342	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.2315	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.1885	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.1858	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.9187	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.916	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.9049	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.9022	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.8753	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.8729	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.8726	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.8702	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0531	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04801	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.8221	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.8194	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0533	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.2243	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.2216	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.1593	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.1566	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.1187	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.116	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.0537	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	108.051	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.9357	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.933	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.8707	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.868	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.8301	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.8274	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20L	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.7651	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04679	107.7624	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05068	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.1409	System Intact	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.1409	System Intact	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.0965	System Intact	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.0965	System Intact	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.0787	System Intact	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.0787	System Intact	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.0343	System Intact	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.0427	107.0343	System Intact	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.6748	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.6748	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.6371	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.6344	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.6183	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.6183	P12:345:SPS:J04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.5779	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.5779	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.5308	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.5281	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.5119	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.5092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.4794	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	105.4767	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.3503	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.3476	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04793	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.8922	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.8895	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.8814	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.8787	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04829	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.3855	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.3828	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.3424	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.3397	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.9512	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.9485	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.9081	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.9054	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0455	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.779	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.7763	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.7601	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.7574	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.7276	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04358	101.7249	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.5709	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.5682	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.5252	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06268	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.7362	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.7362	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.7124	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.7065	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.6886	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.6886	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.6589	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03668	109.6589	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.6469	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.6469	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.5405	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_076	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03149	106.5405	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06ALL_4	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.9928	System Intact	
20L	06ALL_3	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.9845	System Intact	
20L	06ALL_1	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.9637	System Intact	
20L	06ALL_2	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.9595	System Intact	
20L	06ALL_8	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.8391	System Intact	
20L	06ALL_7	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.8307	System Intact	
20L	06ALL_5	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.81	System Intact	
20L	06ALL_6	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.03859	130.8058	System Intact	
17G	06ALL_4	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.1959	System Intact	
17G	06ALL_3	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.1918	System Intact	
17G	06ALL_1	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.1591	System Intact	
17G	06ALL_2	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.155	System Intact	
17G	06ALL_8	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.0447	System Intact	
17G	06ALL_7	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.0365	System Intact	
17G	06ALL_5	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	129.0038	System Intact	
17G	06ALL_6	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.04675	128.9997	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	121.1113	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	121.1077	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	121.0893	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	121.082	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	120.9757	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	120.972	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	120.9537	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.04791	120.9464	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	120.1567	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	120.153	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	120.1239	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	120.1203	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	119.9527	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	119.9491	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	119.9199	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_076	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05057	119.9163	System Intact	
17G	06ALL_4	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.4137	System Intact	
17G	06ALL_3	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.4098	System Intact	
17G	06ALL_1	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.3787	System Intact	
17G	06ALL_2	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.3748	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_8	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.2696	System Intact	
17G	06ALL_7	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.2618	System Intact	
17G	06ALL_5	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.2307	System Intact	
17G	06ALL_6	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.04675	112.2268	System Intact	
20L	06ALL_4	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.2776	System Intact	
20L	06ALL_3	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.2699	System Intact	
20L	06ALL_1	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.2506	System Intact	
20L	06ALL_2	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.2468	System Intact	
20L	06ALL_8	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.135	System Intact	
20L	06ALL_7	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.1273	System Intact	
20L	06ALL_5	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.108	System Intact	
20L	06ALL_6	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.03859	109.1042	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.2279	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.2244	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.2071	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.2001	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.0995	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.096	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.0786	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.04791	104.0717	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.4037	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.4002	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.3724	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.369	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.2094	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.2059	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.1782	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_076	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05057	103.1747	System Intact	
17G	06NR_3	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.262	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2561	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03668	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.8862	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_076	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03149	114.8862	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11783	118.0347	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11783	117.9994	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11783	116.2304	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11783	116.1951	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11678	116.0391	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11678	115.998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11678	114.2348	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11678	114.1937	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.1869	System Intact	
17G	06ALL_3	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.183	System Intact	
17G	06ALL_1	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.1521	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_2	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.1482	System Intact	
17G	06ALL_8	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.0439	System Intact	
17G	06ALL_7	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.0362	System Intact	
17G	06ALL_5	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.0052	System Intact	
17G	06ALL_6	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.04675	113.0014	System Intact	
20L	06ALL_4	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.5986	System Intact	
20L	06ALL_3	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.5909	System Intact	
20L	06ALL_1	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.5717	System Intact	
20L	06ALL_2	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.5679	System Intact	
20L	06ALL_8	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.4567	System Intact	
20L	06ALL_7	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.4491	System Intact	
20L	06ALL_5	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.4299	System Intact	
20L	06ALL_6	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.03859	111.4261	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.3087	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.3052	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.288	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.2811	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.1811	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.1777	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.1604	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.04791	104.1535	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	104.1159	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	104.1125	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	104.0849	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	104.0814	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	103.9229	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	103.9195	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	103.8919	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_076	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05057	103.8885	System Intact	
17G	06NR_1	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	101.0136	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	101.0122	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.9979	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.9965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.993	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.9916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.9766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.9752	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.4	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.3985	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.3843	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.3829	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.3793	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.3779	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.363	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21256	100.3616	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07314	104.1322	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07314	104.1164	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07314	102.7545	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07314	102.7387	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07225	102.7163	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07225	102.6952	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07225	101.3439	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07225	101.3227	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.22665	115.6171	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.22665	115.5801	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_4	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.22665	115.4638	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.22665	115.4241	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.21711	106.9972	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.21711	106.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.21711	106.8485	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.21711	106.8107	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	00NR_7	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15668	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_8	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_5	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_6	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_3	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_4	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_1	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_2	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10226	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_7	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_076	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11739	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.7379	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.7353	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.7299	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.7272	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.6978	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.6978	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.6925	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07991	116.6898	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.3078	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.3052	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.2702	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.2675	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.2136	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.2109	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.1759	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_076	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06905	111.1759	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_3	0	FROM->TO	G16_076	OASIS INTERCHANGE - Roosevelt County Interchange SWITCH #4K33 230KV CKT 1	359	0.23793	101.1062	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_4	0	FROM->TO	G16_076	OASIS INTERCHANGE - Roosevelt County Interchange SWITCH #4K33 230KV CKT 1	359	0.23793	100.9468	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33871	112.3132	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33871	112.1989	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33871	112.0923	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33871	111.9779	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.3362	110.0499	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.3362	109.9295	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.3362	109.8224	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.3362	109.702	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33485	109.1885	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33485	109.0898	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33485	108.9676	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.33485	108.8688	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33264	106.3092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33264	106.2075	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33264	106.0844	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33264	105.98	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.26312	101.7494	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.26312	101.7227	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.26312	101.629	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.26312	101.5996	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	518.2564	System Intact	
20L	06ALL_8	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	518.2564	System Intact	
20L	06ALL_5	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	517.9953	System Intact	
20L	06ALL_6	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	517.9953	System Intact	
20L	06ALL_3	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	517.9885	System Intact	
20L	06ALL_4	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	517.9885	System Intact	
20L	06ALL_1	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	517.7274	System Intact	
20L	06ALL_2	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07199	517.7274	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.4232	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.4232	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.2282	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.2282	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.2231	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.2231	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.0281	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09432	389.0281	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	381	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.995	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.99	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.985	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.82	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.815	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.805	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.1	380.8	System Intact	
17G	06ALL_8	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	300.05	System Intact	
17G	06ALL_7	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	300.0463	System Intact	
17G	06ALL_4	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	299.9192	System Intact	
17G	06ALL_3	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	299.9155	System Intact	
17G	06ALL_5	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	299.9118	System Intact	
17G	06ALL_6	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	299.908	System Intact	
17G	06ALL_1	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	299.781	System Intact	
17G	06ALL_2	0	TO->FROM	G16_076	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08923	299.7772	System Intact	
20WP	00NR_1	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_3	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3629	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	110.3629	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3391	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3391	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3364	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3364	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3364	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05925	106.3364	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4872	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4872	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4859	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4859	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4859	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4859	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4846	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05848	105.4846	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.89	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.89	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.8887	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.8887	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.8861	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.8861	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.8848	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03414	100.8848	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6642	System Intact	
17G	06NR_3	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	557.2	0.11575	104.7078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	557.2	0.11575	104.7045	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	557.2	0.11575	104.6405	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	557.2	0.11575	104.6371	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.11575	104.2618	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.11575	104.2585	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.11575	104.1947	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.11575	104.1914	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.11575	104.7078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.11575	104.7045	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.11575	104.6405	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.11575	104.6371	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11575	104.2618	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11575	104.2585	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11575	104.1947	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11575	104.1914	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.3096	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.3096	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.2856	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.2856	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.2677	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.2617	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.2377	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	FROM->TO	G16_076	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03264	124.2377	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.4059	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.4009	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.3537	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07408	128.3512	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.381	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.3792	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_076	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09429	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.21461	116.175	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.21461	116.149	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	06ALL_3	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.21461	116.0082	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	06ALL_4	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.21461	115.9847	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.2048	108.0345	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.2048	108.0076	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.2048	107.8729	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.2048	107.8486	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.11763	127.4208	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.11763	127.3041	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.11763	127.1136	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.11763	126.9969	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.10222	104.4749	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.10222	104.4442	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.10222	104.1616	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.10222	104.1309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	148.7998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	148.7695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	148.249	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	148.2425	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	148.2188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	148.2122	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	147.6935	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	147.6633	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.28455	140.9219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.28455	140.8914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.28455	140.3675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.28455	140.337	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.28455	140.1583	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.28455	140.1279	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.28455	139.6066	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.28455	139.5763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.14574	110.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.14574	110.4925	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.14574	109.9629	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.14574	109.9459	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.14574	109.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.14574	109.82	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.14574	109.2933	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.14574	109.2764	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	106.0148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	105.9845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	105.6018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	105.5716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	105.4558	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.28199	105.4255	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	105.0446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.28199	105.0144	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	131.0267	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	131.014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	130.8501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	130.8374	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	105.0063	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	104.9936	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	104.8297	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_076	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28401	104.817	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.69	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.69	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.6776	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.6776	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.6497	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.6497	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_1	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.6373	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	104.6373	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	TO->FROM	G16_076	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04078	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6757	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6757	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6623	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6623	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6319	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6319	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6185	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	113.6185	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.35	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.35	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.3366	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.3366	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.3063	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.3063	P12:345:SPSJ04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.2929	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	113.2929	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04078	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_076	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04078	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
17G	06NR_1	0	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.10532	123.5761	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.10532	123.4355	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.10532	123.4171	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.10532	123.2765	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.4052	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.3393	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.3347	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.2688	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.24897	120.1986	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.24897	120.1599	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.24897	120.1349	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.24897	120.0962	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.9338	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.8678	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.8633	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.7973	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.11102	105.1707	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.11102	105.0265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.11102	105.0145	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.11102	104.8703	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	2	TO->FROM	G16_076	CARLSBAD INTERCHANGE - PECOS INTERCHANGE 115KV CKT 1	155.3	0.13593	100.3568	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	2	TO->FROM	G16_076	CARLSBAD INTERCHANGE - PECOS INTERCHANGE 115KV CKT 1	155.3	0.13593	100.3326	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06628	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.2138	117.0099	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.2138	116.9927	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.2138	116.7798	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.2138	116.7627	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.09039	108.5316	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_1	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.09039	108.5316	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_1	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.09039	108.5316	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05091	104.4053	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05091	104.4053	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_7	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05091	104.3177	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_7	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05091	104.3177	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_7	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05091	104.3177	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05091	104.3177	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.2138	100.0249	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.2138	100.0078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.79196	107.1813	System Intact	
17G	06ALL_4	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.79196	107.1604	System Intact	
17G	06ALL_2	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.79196	107.1315	System Intact	
17G	06ALL_1	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.79196	107.1092	System Intact	
20L	06ALL_3	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.76817	104.203	System Intact	
20L	06ALL_2	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.76817	104.1545	System Intact	
20L	06ALL_4	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.76817	104.1165	System Intact	
20L	06ALL_1	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.76817	104.068	System Intact	
17G	06NR_3	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.81644	103.4744	System Intact	
17G	06NR_2	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.81644	103.4272	System Intact	
17G	06NR_4	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.81644	103.3329	System Intact	
17G	06NR_1	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.81644	103.2858	System Intact	
20SP	06ALL_3	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.78909	103.0761	System Intact	
20SP	06ALL_2	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.78909	103.0289	System Intact	
20SP	06ALL_4	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.78909	102.9909	System Intact	
20SP	06ALL_1	2	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.78909	102.9424	System Intact	
17G	06NR_3	2	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.04383	115.1575	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.04383	115.0883	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.04383	107.0624	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.04383	106.9932	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.04383	106.7489	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.04383	106.6795	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.04383	101.7546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.04383	101.6862	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.71129	147.3903	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.71129	147.247	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.71129	147.2136	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70685	143.3604	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70685	143.3074	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70685	143.2171	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.70685	143.166	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.6473	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.614	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.504	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.4706	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.70298	132.6792	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.70298	132.5574	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70984	132.5415	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70984	132.5081	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.70298	132.5063	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70984	132.3981	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70984	132.3647	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69561	131.9606	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69561	131.9096	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69561	131.8193	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69561	131.7663	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	131.1722	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	131.1209	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	131.05	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	130.9987	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.69783	129.1681	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.69783	129.0973	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.69783	129.0463	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.5	0.69783	128.9755	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70553	128.7858	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70553	128.7328	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70553	128.6424	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.70553	128.5914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.1606	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.1272	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.0173	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	127.9839	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69639	127.4555	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69639	127.3844	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69639	127.3332	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69639	127.2622	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.70068	127.1959	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.70068	127.1497	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.70068	127.0875	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.70068	127.0395	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.70213	125.4798	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.70213	125.4514	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.70213	125.3502	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.70213	125.3218	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69624	124.2419	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69624	124.1889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69624	124.0987	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69624	124.0457	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.69547	123.401	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.69547	123.337	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.69547	123.2926	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.6	0.69547	123.2286	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.69721	121.2783	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.69721	121.2321	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.69721	121.1505	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.6	0.69721	121.1026	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_1	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_1	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_2	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_2	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_3	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_3	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_4	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_4	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9813	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_1	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_1	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_2	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_2	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_3	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_3	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_4	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_4	2	FROM->TO	G16_076	EDDY COUNTY INTERCHANGE (ABB AEM30711) 345/230/13.2KV TRANSFORMER CKT 1	560	1	147.9635	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.436	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.4265	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.4265	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.4075	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.4075	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.3968	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12402	107.3968	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.488	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.488	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.4868	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.4868	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.4832	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.4832	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.4809	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06103	106.4809	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1321	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1321	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1095	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1095	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12689	105.1	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8883	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8883	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8291	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	104.8291	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07055	102.4677	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08371	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5446	System Intact	
20L	06ALL_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5446	System Intact	
20L	06ALL_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5446	System Intact	
20L	06ALL_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5446	System Intact	
20L	06ALL_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5446	System Intact	
20L	06ALL_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5432	System Intact	
20L	06ALL_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5432	System Intact	
20L	06ALL_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04739	101.5432	System Intact	
17G	06NR_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7074	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08584	100.7074	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4037	System Intact	
16WP	06ALL_6	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4037	System Intact	
16WP	06ALL_7	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4037	System Intact	
16WP	06ALL_8	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4037	System Intact	
16WP	06ALL_1	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4024	System Intact	
16WP	06ALL_2	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4024	System Intact	
16WP	06ALL_3	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4024	System Intact	
16WP	06ALL_4	2	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06515	100.4024	System Intact	
17G	06NR_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	145.8632	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	145.7963	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	144.6998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	144.6248	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	143.7746	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	143.705	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	142.6112	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	142.5362	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	123.8333	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	123.7985	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21148	122.8999	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21148	122.8571	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	122.6668	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21148	121.7307	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21148	121.6906	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19971	114.8472	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19971	114.8097	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19971	113.4743	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	113.4508	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19971	113.4369	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	113.4133	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	112.0779	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	112.0378	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	111.7258	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	111.691	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21388	110.7505	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21388	110.7077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	110.5593	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	110.5245	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21388	109.5814	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21388	109.5412	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
16WP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21519	108.3736	P12:345:SPSJ15.1.XRDS.TOLK
16WP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21519	108.3398	P12:345:SPSJ15.1.XRDS.TOLK
20WP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19677	108.097	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20WP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19677	108.0606	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_3	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21418	107.3482	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_2	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21418	107.3092	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21519	107.2378	P12:345:SPSJ15.1.XRDS.TOLK
16WP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21519	107.204	P12:345:SPSJ15.1.XRDS.TOLK
20WP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19677	106.7619	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20WP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19677	106.7254	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_4	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21418	106.215	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_1	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21418	106.1734	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_7	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	103.3707	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_6	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	103.3011	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_7	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	102.5607	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_6	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	102.4858	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_8	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	101.2821	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_5	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36866	101.2125	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_8	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	100.4721	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_5	2	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36788	100.3972	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.527	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5243	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5108	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0453	101.5082	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11825	118.8904	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11825	118.8552	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11825	117.0862	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.11825	117.0509	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1171	116.8361	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1171	116.795	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1171	115.0318	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1171	114.9907	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	104.7865	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	104.7706	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	103.414	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	103.3982	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07248	103.2826	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07248	103.2615	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07248	101.9049	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	2	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07248	101.8838	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.11102	103.9461	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.11102	103.8149	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.11102	103.804	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	2	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.11102	103.6728	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	2	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.23221	123.9362	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.23221	123.8956	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.23221	123.7789	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	2	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.23221	123.7409	P12:345:SPSJ15.1.XRDS.TOLK
16WP	00NR_1	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7375	P12:345:AEPW-NWTXARK7:VALLIANT7
16WP	00NR_2	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7375	P12:345:AEPW-NWTXARK7:VALLIANT7
16WP	00NR_3	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7348	P12:345:AEPW-NWTXARK7:VALLIANT7

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7348	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_5	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7294	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_6	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7294	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_7	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7267	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_8	2	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07323	102.7267	P12:345:AEPW-NWTXARK7-VALLIANT7	
17G	06NR_2	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33452	108.4368	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33452	108.3164	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33452	108.2067	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33452	108.0889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.7005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.5988	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.4757	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.374	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8292	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8094	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8094	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8002	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	134.8002	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4385	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4385	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4306	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4293	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4096	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4096	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4005	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	131.4005	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2681	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2668	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2497	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2497	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	130.2406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0565	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0552	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0355	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0355	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0262	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07018	130.0262	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3731	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3652	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3639	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3625	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	128.356	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.1098	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.1098	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.102	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.1007	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.081	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.081	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.0718	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10298	126.0718	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9744	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9744	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9652	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9639	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9469	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9469	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9378	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10285	124.9378	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.561	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.5596	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.5504	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10265	123.5438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07202	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.3346	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.3346	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.3227	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.3227	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.2964	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.2964	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.2845	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	115.2845	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.8788	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10536	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7501	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7488	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7132	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06196	111.7119	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.594	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.5927	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05736	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06383	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6516	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10703	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9464	System Intact	
20L	06ALL_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9464	System Intact	
20L	06ALL_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9371	System Intact	
20L	06ALL_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9371	System Intact	
20L	06ALL_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9171	System Intact	
20L	06ALL_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9171	System Intact	
20L	06ALL_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9078	System Intact	
20L	06ALL_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05104	109.9078	System Intact	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.6492	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.6479	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.6374	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.636	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10559	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3934	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3921	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3842	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3828	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3815	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3802	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.3723	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	109.371	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05458	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1586	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1586	P13:138-24:AEPW:TURK 4	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1375	P13:138-24:AEPW:TURK 4	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1375	P13:138-24:AEPW:TURK 4	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1283	P13:138-24:AEPW:TURK 4	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	109.1283	P13:138-24:AEPW:TURK 4	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09347	109.0698	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.962	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.9607	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05656	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05863	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09188	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3906	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3892	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3814	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3801	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08486	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0869	108.3072	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08408	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8115	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8102	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05457	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.6962	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.6962	P13:138-24:AEPW:TURK 4	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.5047	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08617	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	107.0012	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07961	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07984	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7846	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7832	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7754	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7741	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09262	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.7379	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.7366	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.7104	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.7091	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08573	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.3996	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.3983	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08259	106.3681	PARK LANE - SEMINOLE 138KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.3312	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.3312	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.2946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08889	106.2933	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1497	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1484	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1144	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09429	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.036	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.036	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.019	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.0177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	105.989	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08069	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08755	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.891	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8896	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.8082	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.8069	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08698	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.5281	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.5268	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.5099	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.5086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.5006	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.5006	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.4967	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.4915	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.4915	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09351	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.4032	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.4032	P13:138-24:AEPW:TURK 4	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.3941	P13:138-24:AEPW:TURK 4	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.3941	P13:138-24:AEPW:TURK 4	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.377	P13:138-24:AEPW:TURK 4	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.3757	P13:138-24:AEPW:TURK 4	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.3666	P13:138-24:AEPW:TURK 4	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.3666	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2954	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2954	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2875	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2875	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2744	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2744	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2666	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08018	105.2666	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.194	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.1927	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.1862	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05802	105.1849	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.0125	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.0125	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.0033	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	105.0033	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	104.9863	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	104.985	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	104.9758	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0823	104.9758	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8367	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8367	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8275	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8275	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8105	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8092	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08063	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	104.4767	P13:138-24:AEPW:TURK 4	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	104.4675	P13:138-24:AEPW:TURK 4	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	104.4675	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1612	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1599	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1245	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08155	104.1232	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.9139	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7849	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.7783	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.6852	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6777	System Intact	
20L	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6777	System Intact	
20L	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6685	System Intact	
20L	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6685	System Intact	
20L	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6474	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6474	System Intact	
20L	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6382	System Intact	
20L	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05409	103.6382	System Intact	
17G	06ALL_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5628	System Intact	
17G	06ALL_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5628	System Intact	
17G	06ALL_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5536	System Intact	
17G	06ALL_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5536	System Intact	
17G	06ALL_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5351	System Intact	
17G	06ALL_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5351	System Intact	
17G	06ALL_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5259	System Intact	
17G	06ALL_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08109	103.5259	System Intact	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.3946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08853	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1658	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1609	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1596	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08687	103.1592	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1543	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.153	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1517	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1503	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1451	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08521	103.1437	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08201	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.9017	System Intact	
20WP	06ALL_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.9017	System Intact	
20WP	06ALL_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.8924	System Intact	
20WP	06ALL_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.8924	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
20WP	06ALL_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.8713	System Intact
20WP	06ALL_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.8713	System Intact
20WP	06ALL_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.862	System Intact
20WP	06ALL_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08243	102.862	System Intact
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9608	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9595	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9542	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9529	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9502	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9502	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9436	PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08342	101.9436	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.8602	System Intact
20WP	00NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.8602	System Intact
20WP	00NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.851	System Intact
20WP	00NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.851	System Intact
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8353	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.8313	System Intact
20WP	00NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.8313	System Intact
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.8221	System Intact
20WP	00NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0814	101.8221	System Intact
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08483	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08704	101.8195	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6488	System Intact
16WP	06ALL_2	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6488	System Intact
16WP	06ALL_3	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6395	System Intact
16WP	06ALL_4	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6395	System Intact
16WP	06ALL_5	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6211	System Intact
16WP	06ALL_6	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6211	System Intact
16WP	06ALL_7	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6118	System Intact
16WP	06ALL_8	2	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08644	100.6118	System Intact
17G	06NR_1	2	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.11102	110.5067	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.11102	110.3758	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.11102	110.3649	P12:345:SPS:J15.1.XRDS.TOLK

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	2	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.11102	110.234	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.22092	126.1263	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.22092	126.0993	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.22092	125.9591	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.22092	125.9321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.7277	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.6105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.4192	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.3019	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.10562	113.3822	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.10562	113.3514	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.10562	113.0675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.10562	113.0366	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.6265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.5092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.3179	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.2007	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.039	101.2989	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.039	101.2063	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.039	100.9039	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.039	100.8113	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_2	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28521	128.7403	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28521	128.7101	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28521	128.6177	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28521	128.5876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28521	128.1888	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28521	128.1587	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28521	128.0666	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_076	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28521	128.0364	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	138.5537	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	138.4063	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	138.394	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	138.2466	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	118.5793	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	118.4626	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	118.2722	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	118.1616	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	113.6467	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	113.53	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	113.3396	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04622	113.2228	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_1	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.09216	108.401	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.09216	108.3519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.09216	108.229	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.09216	108.186	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	107.5143	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	107.3669	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	107.3546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.11102	107.2072	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.381	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.3105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	130.2445	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2467	118.8082	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2467	118.774	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2467	118.7445	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2467	118.7104	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.9095	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.8436	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.839	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	TO->FROM	G16_076	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2685	102.7731	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.11102	105.1034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.11102	104.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.11102	104.9473	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.11102	104.8031	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	3	TO->FROM	G16_076	CARLSBAD INTERCHANGE - PECOS INTERCHANGE 115KV CKT 1	155.3	0.13594	100.2924	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	3	TO->FROM	G16_076	CARLSBAD INTERCHANGE - PECOS INTERCHANGE 115KV CKT 1	155.3	0.13594	100.2682	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_076	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06632	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.21382	117.053	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.21382	117.0359	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.21382	116.8229	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.21382	116.8058	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.8936	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.8936	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.8936	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.8936	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.837	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.837	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.837	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.837	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7992	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7992	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7992	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7992	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7426	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7426	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7426	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	105.7426	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5922	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5922	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5922	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5922	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5355	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5355	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5355	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.5355	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4977	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4977	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4977	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4977	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4411	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4411	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4411	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.10173	104.4411	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.281	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.281	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.281	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.281	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.2054	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.2054	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.2054	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.2054	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1968	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1968	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1968	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1968	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1212	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1212	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1212	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	103.1212	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.69	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.69	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.69	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.69	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6144	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6144	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6144	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6144	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6058	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6058	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6058	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.6058	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.5303	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.5303	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.5303	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.0622	102.5303	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.21382	100.065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	TO->FROM	G16_076	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.21382	100.0478	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.78665	105.9213	System Intact	
17G	06ALL_4	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.78665	105.8977	System Intact	
17G	06ALL_2	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.78665	105.8492	System Intact	
17G	06ALL_1	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.78665	105.8256	System Intact	
20L	06ALL_3	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.76133	102.2964	System Intact	
20L	06ALL_2	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.76133	102.2282	System Intact	
20L	06ALL_4	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.76133	102.2033	System Intact	
20L	06ALL_1	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.76133	102.1339	System Intact	
17G	06NR_3	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.81391	101.9379	System Intact	
17G	06NR_2	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.81391	101.8711	System Intact	
17G	06NR_4	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.81391	101.7859	System Intact	
17G	06NR_1	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.81391	101.7178	System Intact	
20SP	06ALL_3	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.78325	100.8797	System Intact	
20SP	06ALL_2	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.78325	100.8102	System Intact	
20SP	06ALL_4	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.78325	100.7853	System Intact	
20SP	06ALL_1	3	FROM->TO	G16_076	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.78325	100.7171	System Intact	
17G	06NR_3	3	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.04383	115.1415	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.04383	115.0823	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.04383	107.055	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_076	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.04383	106.9859	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	3	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.04383	106.8546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_076	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.04383	106.7951	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.04383	101.8588	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.04383	101.8002	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.71129	147.4222	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.71129	147.3888	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.71129	147.2789	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.71129	147.2456	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70585	142.5797	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70585	142.5248	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70585	142.4384	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.70585	142.3815	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.6473	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.614	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.504	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.70077	134.4706	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.70298	132.7348	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.70298	132.6817	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70985	132.6199	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.70298	132.6129	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70985	132.5865	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.70298	132.5618	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70985	132.4765	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70985	132.4431	P12:345:SPS:J15.1.XRDS.TOLK	
25SP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69445	131.3894	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69445	131.3325	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69445	131.2461	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.7	0.69445	131.1911	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	131.1301	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	131.0789	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	131.0079	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.70153	130.9567	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.69667	128.5097	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.69667	128.435	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.69667	128.3898	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.3	0.69667	128.3132	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.1815	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.1481	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70456	128.1379	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70456	128.0809	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.0383	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.7013	128.0049	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70456	127.9945	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.70456	127.9375	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.70068	127.3114	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.70068	127.2028	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.70068	127.1566	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69523	126.5916	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69523	126.5167	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69523	126.4714	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	475.8	0.69523	126.3965	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.70213	125.5462	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.70213	125.5178	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.70213	125.4166	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.70213	125.3882	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69511	123.4219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69511	123.365	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69511	123.2807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	478	0.69511	123.2237	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.6943	122.7168	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.6943	122.6065	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	527.2	0.6943	122.5389	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.6961	120.476	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.6961	120.4245	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.6961	120.3464	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	3	TO->FROM	G16_076	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	528.4	0.6961	120.2967	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.1832	106.8406	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.1832	106.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.1832	106.6444	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.1832	106.6417	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.8322	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.8322	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.8073	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.8073	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.7978	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09896	111.7978	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5434	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5422	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12185	111.5243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1467	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1467	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1372	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1372	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1123	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1123	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1027	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09896	125.1027	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8808	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8796	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12185	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4214	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4202	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12411	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06106	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12698	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08067	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	104.8176	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07058	102.4562	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08374	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4889	System Intact	
20L	06ALL_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4889	System Intact	
20L	06ALL_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
17G	06NR_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08586	100.6959	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4037	System Intact	
16WP	06ALL_8	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4037	System Intact	
16WP	06ALL_2	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4024	System Intact	
16WP	06ALL_3	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4024	System Intact	
16WP	06ALL_4	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4024	System Intact	
16WP	06ALL_5	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4024	System Intact	
16WP	06ALL_6	3	FROM->TO	G16_076	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06516	100.4024	System Intact	
17G	06NR_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	145.8216	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	145.7547	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	144.3828	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	144.3052	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	143.7336	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	143.664	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	142.2948	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	142.2172	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	123.8618	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	123.827	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	122.6953	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.2112	122.6743	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21246	122.6606	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.2112	122.6315	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.2112	121.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.2112	121.465	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19986	115.0068	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19986	114.9694	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19986	113.6339	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19986	113.5965	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	113.4508	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	113.4133	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	112.0779	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.19838	112.0378	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	111.7258	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	111.691	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	110.5593	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21491	110.5245	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21359	110.4938	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21359	110.451	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21359	109.3273	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21359	109.2845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21519	108.4036	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21519	108.3698	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19692	108.2497	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19692	108.2158	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21519	107.2675	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.2139	107.1033	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.2139	107.0617	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19692	106.9145	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.19692	106.8807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.2139	105.9698	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	103.3412	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	103.2716	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	102.3522	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	102.2772	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	101.2532	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36866	101.1836	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	100.2642	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_076	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36747	100.1892	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.4552	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.3959	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04567	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11825	118.816	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11825	118.7808	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11825	117.0129	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11825	116.9776	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11685	116.3148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11685	116.2678	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11685	114.5116	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.11685	114.4646	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	104.7865	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	104.7759	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	103.414	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07345	103.3982	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07229	103.0188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07229	102.9977	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07229	101.6411	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_076	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.07229	101.62	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.11102	103.8856	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.11102	103.7544	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.11102	103.7435	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.11102	103.6124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.23222	123.8315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.23222	123.7908	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.23222	123.6743	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.23222	123.6364	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	00NR_2	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7315	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_1	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7306	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_3	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7279	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_4	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7279	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_5	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7225	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_6	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7225	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_7	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7198	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_8	3	TO->FROM	G16_076	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07329	102.7189	P12:345:AEPW:NWTXARK7:VALIANT7	
17G	06NR_2	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33559	109.2519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33559	109.1288	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33559	109.0244	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33559	108.9013	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.7575	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.6558	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.53	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.33053	104.4284	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.2633	100.2743	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.2633	100.2476	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.2633	100.1459	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	3	TO->FROM	G16_076	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.6	0.2633	100.1191	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.272	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2707	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07027	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3652	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3639	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10305	126.0731	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9783	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9783	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9692	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9679	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9495	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9495	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10293	124.9404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5623	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5623	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5544	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5544	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.553	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5517	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5451	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10264	123.5451	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.7251	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.7251	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.7132	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.7132	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.6856	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.6856	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.675	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07214	122.675	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.3284	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.3284	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.3166	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.3166	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.2876	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.2863	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.2744	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	115.2744	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.9194	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.9194	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.9076	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.9076	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.8801	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.8801	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.8696	MUSKOGEE - SEMINOLE	345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10543	114.8696	MUSKOGEE - SEMINOLE	345KV CKT 1
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7426	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7413	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06206	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5957	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5944	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5865	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5852	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5536	P12:345-AEPW-OKGE:R.S.S.-7-REDBUD7	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	111.5536	P12:345-AEPW-OKGE:R.S.S.-7-REDBUD7	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.3983	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.3969	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06395	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6857	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6844	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6765	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6752	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05717	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.0862	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10711	110.0849	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.9632	System Intact	
20L	06ALL_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.9632	System Intact	
20L	06ALL_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.9539	System Intact	
20L	06ALL_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.9539	System Intact	
20L	06ALL_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.9313	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.9313	System Intact	
20L	06ALL_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.922	System Intact	
20L	06ALL_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.0511	109.922	System Intact	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6413	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6294	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10558	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08774	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3947	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3947	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3842	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3842	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3828	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3815	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.3723	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	109.371	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1287	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.1249	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.1249	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1195	P13:138-24:AEPW:TURK 4	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	109.1195	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.0712	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09356	109.0712	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	109.0074	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	109.0061	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05666	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05872	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5824	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5811	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09194	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3864	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3851	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3641	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08697	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2327	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2314	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.8238	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.8225	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05466	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.7369	P13:138-24:AEPW:TURK 4
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.7369	P13:138-24:AEPW:TURK 4
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.729	P13:138-24:AEPW:TURK 4
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.7277	P13:138-24:AEPW:TURK 4
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.7067	P13:138-24:AEPW:TURK 4
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.7054	P13:138-24:AEPW:TURK 4
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.6976	P13:138-24:AEPW:TURK 4
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.6976	P13:138-24:AEPW:TURK 4
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5456	FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5456	FANCY POINT - RIVER BEND 230KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.5388	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.5375	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5364	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5364	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.5296	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.5283	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08624	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.3235	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.3221	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.3012	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07965	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0799	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09269	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7025	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0858	106.7012	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08266	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3399	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3386	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3203	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.319	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08896	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1676	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1663	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1545	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1545	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1296	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1296	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1165	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09438	106.1165	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0399	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0386	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0111	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	106.0098	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08075	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9469	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9456	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08762	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8396	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8383	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08705	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08514	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0935	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.398	P13-138-24:AEPW:TURK 4	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.3967	P13-138-24:AEPW:TURK 4	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.3692	P13-138-24:AEPW:TURK 4	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.3679	P13-138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2993	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2993	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2915	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2915	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.277	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2757	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2692	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08023	105.2679	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05808	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.0073	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.0059	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	104.9876	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	104.9876	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	104.9785	P13-138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	104.9772	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8406	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8406	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8301	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8301	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0807	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	104.4794	P13:138-24:AEPW:TURK 4	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	104.4688	P13:138-24:AEPW:TURK 4	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	104.4688	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08162	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.9165	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.9086	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.8994	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7876	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.7037	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.7024	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.6958	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.6865	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6703	System Intact	
20L	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6703	System Intact	
20L	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6611	System Intact	
20L	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6611	System Intact	
20L	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6387	System Intact	
20L	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6387	System Intact	
20L	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6294	System Intact	
20L	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05418	103.6294	System Intact	
17G	06ALL_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5642	System Intact	
17G	06ALL_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5642	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5549	System Intact	
17G	06ALL_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5549	System Intact	
17G	06ALL_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5351	System Intact	
17G	06ALL_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5351	System Intact	
17G	06ALL_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5259	System Intact	
17G	06ALL_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08115	103.5259	System Intact	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.3893	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08852	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1685	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.167	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1657	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08686	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1591	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0852	103.1578	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9192	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9192	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.082	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.903	System Intact	
20WP	06ALL_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.903	System Intact	
20WP	06ALL_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.8937	System Intact	
20WP	06ALL_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.8937	System Intact	
20WP	06ALL_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.8713	System Intact	
20WP	06ALL_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.8713	System Intact	
20WP	06ALL_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.862	System Intact	
20WP	06ALL_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08249	102.862	System Intact	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2247	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2155	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9621	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.945	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08341	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8628	System Intact	
20WP	00NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8628	System Intact	
20WP	00NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8549	System Intact	
20WP	00NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8536	System Intact	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8448	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8435	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.8379	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8356	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08482	101.8343	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8326	System Intact	
20WP	00NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8313	System Intact	
17G	06NR_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8234	System Intact	
20WP	00NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08146	101.8234	System Intact	
17G	06NR_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08703	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6642	System Intact	
16WP	06ALL_3	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6549	System Intact	
16WP	06ALL_4	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6549	System Intact	
16WP	06ALL_5	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6351	System Intact	
16WP	06ALL_6	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6351	System Intact	
16WP	06ALL_7	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6259	System Intact	
16WP	06ALL_8	3	TO->FROM	G16_076	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0865	100.6259	System Intact	
17G	06NR_1	3	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.11102	110.4425	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.11102	110.3117	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.11102	110.3008	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_076	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.11102	110.1699	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.22093	126.0353	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.22093	126.0111	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.22093	125.868	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_076	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.22093	125.8411	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.6619	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	06NR_4	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.5447	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.3534	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	139.2361	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1032	109.3128	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1032	109.3004	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1032	108.998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1032	108.9857	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_5	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.5607	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_8	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.4435	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_6	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.2522	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_7	3	FROM->TO	G16_076	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.1223	105.1349	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	138.463	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	138.3157	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	138.3034	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	138.1561	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	115.5524	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_4	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	115.4665	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_2	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	115.2455	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_3	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	115.1657	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_5	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	110.6599	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_8	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	110.5739	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_6	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	110.3529	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_7	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05039	110.267	P12:230:SPS:K10.1.LUBBS.WOLFFTH
17G	06NR_5	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	107.4439	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_8	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	107.2966	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_6	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	107.2843	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_7	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.11102	107.137	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.08932	103.6437	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.08932	103.6192	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.08932	103.478	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	3	FROM->TO	G16_076	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.08932	103.4534	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	127.9686	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	127.9027	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	127.9005	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	127.8323	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.11714	118.9203	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.11714	118.8816	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.11714	118.8566	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.11714	118.818	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	100.7946	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_5	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	100.7287	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_7	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	100.7264	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_8	0	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.13181	100.6605	P12:345:SPSJ15.1.XRDS.TOLK
20L	06NR_1	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5609	CIMARRON - MINCO 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5609	CIMARRON - MINCO 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5506	CIMARRON - MINCO 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5506	CIMARRON - MINCO 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5335	CIMARRON - MINCO 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5335	CIMARRON - MINCO 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5233	CIMARRON - MINCO 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	119.5233	CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3634	CIMARRON - MINCO 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3634	CIMARRON - MINCO 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3599	CIMARRON - MINCO 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3599	CIMARRON - MINCO 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3497	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	115.3497	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.3752	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03882	112.3752	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05092	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	122.1375	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	122.124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	121.734	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	121.7206	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	115.0004	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	114.9951	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	114.607	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	114.599	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.7394	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.7341	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.7073	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.702	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.2979	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.2925	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.2658	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08736	106.2604	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	103.8456	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	103.8321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	103.442	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.13124	103.4286	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	103.3048	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	103.3021	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	103.0116	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	103.0089	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	102.8448	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	102.8421	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	102.5516	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.11498	102.5489	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	100.6079	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	100.6026	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	100.2119	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_077	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09157	100.2065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09903	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09903	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09903	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08716	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08716	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08716	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08716	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08716	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08716	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07751	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8458	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8458	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8436	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8436	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8265	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8265	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8223	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	115.8223	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3373	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10038	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1
20L	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8066	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3138	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3138	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3095	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3095	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3073	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3073	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3031	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07368	109.3031	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0998	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07149	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07158	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09798	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.098	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07014	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.9681	System Intact	
17G	06NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.9681	System Intact	
17G	06NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.9681	System Intact	
17G	06NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.9681	System Intact	
17G	06NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.966	System Intact	
17G	06NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.966	System Intact	
17G	06NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.9639	System Intact	
17G	06NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06568	100.9639	System Intact	
17SP	00NR_7	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10682	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3421	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.34	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09353	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.1679	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.1636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.123	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07132	129.1209	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.8858	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.8836	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.8643	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.8622	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.8172	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.8151	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.7958	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.7937	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.5662	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.5641	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.5448	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.5426	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.4977	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.4955	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.4763	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06392	106.4741	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	101.11	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	101.1079	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	101.0438	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	101.0416	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	101.0074	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	101.0053	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.9412	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.9391	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.8139	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.8118	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.7477	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.7455	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.7113	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.7092	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.6451	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.0485	100.643	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2834	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2827	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2717	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2709	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2535	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2527	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.2417	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	133.241	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.4994	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.4986	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.4718	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29709	126.4711	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.6272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.6264	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.6154	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.6146	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.5973	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.5965	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.5855	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	124.5847	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.6072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.6064	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.5521	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25387	120.5513	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0922	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0914	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0623	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0615	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0489	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0481	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0198	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	119.0191	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4425	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4417	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4307	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4299	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4126	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4118	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4008	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27849	115.4	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5111	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	111.5111	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9768	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.976	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9469	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9461	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9336	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9328	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9045	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	110.9037	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0345	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0345	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0298	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0298	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0132	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22011	110.0132	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	106.4397	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	106.4397	P12:230:SPS:K74.1.WEELR.SWT(520)	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	106.4397	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	106.4397	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22609	106.4397	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	102.2481	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	102.2473	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	102.219	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22122	102.2182	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21262	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
20L	06NR_5	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17711	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.8509	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.8501	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.8297	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.7927	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.7919	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.3763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.3755	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.3559	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.3551	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.3181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.3173	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.3078	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.4416	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.3959	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.3951	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	144.0163	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	144.0163	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	143.9958	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	143.995	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	143.9494	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	143.9486	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	143.9282	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2955	143.9282	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4996	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.498	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4697	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4681	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4446	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4438	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4147	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	142.4139	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.24	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.2384	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.2101	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.2085	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.185	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.1842	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.1551	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25393	139.1543	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.7016	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.7008	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.7001	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.6993	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.6711	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	137.6702	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.8537	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.8529	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.8239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.8231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.787	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.7862	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.7571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	135.7563	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.4188	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.418	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.4173	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.4165	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.3882	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.25339	134.3874	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.7546	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.7538	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.7247	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.7239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.6877	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.687	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.6714	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.6706	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.6579	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	132.6571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.6415	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.6408	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.6046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.6039	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.5748	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24478	132.574	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.7871	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.7871	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.7698	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.769	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.7383	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.7383	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.721	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27597	130.7202	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.6028	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.6021	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.573	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.5722	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.536	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.5352	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.5061	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.21667	129.5054	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.7304	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.7304	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.7194	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.7186	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.6989	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.6982	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.6871	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	128.6871	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4981	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4973	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.48	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4792	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4415	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4234	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27328	127.4226	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.6212	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.6204	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.5613	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24615	126.5605	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5859	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5851	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5764	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.574	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5653	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	125.5645	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.523	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.5222	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.5026	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.5018	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1996	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1886	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1878	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1681	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1673	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1563	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24417	123.1563	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4666	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4658	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4579	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4571	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4547	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4539	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.446	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23785	121.4452	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24339	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.7164	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.7156	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2451	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1827	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1819	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1277	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21941	120.1269	P12:115:SPS:T66.1.RNDALL.HAPPY	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.7446	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24042	119.7438	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4601	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4593	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4183	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4175	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4034	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.4026	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.3342	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.3334	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2924	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2917	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2775	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2767	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2418	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2411	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.2001	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.1993	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.1852	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	119.1844	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.1054	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.1046	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.0912	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.0904	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.9805	P12:138:WFEC:MSL03	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.9797	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.9435	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.9427	P12:138:WFEC:MSL03	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.927	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23604	118.927	P12:138:WFEC:MSL03	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.9239	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.9231	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.921	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.9202	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.9105	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.9097	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.9069	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.9061	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.8853	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.8853	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.8809	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.8809	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.8719	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2375	118.8719	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.8668	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21889	118.8668	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7802	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7795	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7653	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7653	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7385	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7377	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7236	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23318	118.7228	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1765	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1568	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1561	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1459	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1459	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1262	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	116.1254	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.5821	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.5805	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.5719	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.5711	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.568	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.5672	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.5586	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22281	115.557	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6813	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6805	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6727	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6719	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6672	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6664	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6585	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.6578	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23778	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.5055	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.5047	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.4968	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.496	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.4913	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.4905	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.4827	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22228	114.4819	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0851	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0851	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0709	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0701	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0441	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0441	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.03	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22765	114.0292	System Intact	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.8801	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.8786	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.8518	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.8378	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.837	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.8337	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.833	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.807	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22521	113.8062	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3047	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21229	113.3039	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23203	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.5982	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.5974	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.562	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.5612	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23075	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4694	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4686	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.3333	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.3333	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.3168	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.3168	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.3019	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.3011	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2829	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2829	P12:138:WFEC:MSL01	
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.2673	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.2673	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.2524	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21173	112.2524	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.6613	BRIDGECR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.6613	BRIDGECR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.6456	BRIDGECR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2238	111.6456	BRIDGECR	138.00 - TUTTLE 138KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.6348	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.6341	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.6152	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.6144	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.6042	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.6042	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.5845	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	111.5838	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.4876	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.4869	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.4837	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.4829	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.468	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.468	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.4641	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	111.4633	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	111.0081	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	111.0073	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	110.9908	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	110.9901	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	110.9735	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	110.9728	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	110.9555	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2025	110.9555	PALO DURO SUB - RANDALL COUNTY INTERCHANGE	115KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.9416	P12:138:WFEC:MSL03	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.9408	P12:138:WFEC:MSL03	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.918	P12:138:WFEC:MSL03	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.9173	P12:138:WFEC:MSL03	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.8992	P12:138:WFEC:MSL03	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.8984	P12:138:WFEC:MSL03	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.8756	P12:138:WFEC:MSL03	
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.8752	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20439	110.8748	P12:138:WFEC:MSL03	
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.8744	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.8485	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.8477	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.8194	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.8186	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.7927	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22461	110.7919	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.3444	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.3436	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.3248	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.324	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.3138	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.3138	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.2941	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20305	110.2933	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.7953	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.7945	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.7818	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.7818	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.751	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.751	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.7383	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20317	109.7383	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.4726	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.4718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.4514	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.4506	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.4051	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.4043	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.3839	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	108.3839	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1948	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1932	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1924	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1909	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1681	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1673	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1657	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2256	108.1649	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4277	P12:138:WFEC:MSL03	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4262	P12:138:WFEC:MSL03	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4262	P12:138:WFEC:MSL03	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4254	P12:138:WFEC:MSL03	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.4176	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.4168	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.4137	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.4129	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4042	P12:138:WFEC:MSL03	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4034	P12:138:WFEC:MSL03	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4026	P12:138:WFEC:MSL03	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2036	107.4018	P12:138:WFEC:MSL03	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.398	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.398	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.3941	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	107.3933	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3412	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3412	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3365	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3365	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3341	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3341	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3293	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	107.3293	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.2398	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.239	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.2241	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.2241	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.1902	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.1902	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.1753	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21851	107.1745	System Intact	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19898	106.8646	GRACEMONT (GRCMNT1)	345/138/13.8KV TRANSFORMER CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19898	106.8638	GRACEMONT (GRCMNT1)	345/138/13.8KV TRANSFORMER CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19898	106.8245	GRACEMONT (GRCMNT1) 345/138/13.8KV TRANSFORMER CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19898	106.8237	GRACEMONT (GRCMNT1) 345/138/13.8KV TRANSFORMER CKT 1	
20L	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.745	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.7442	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.7183	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.7175	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.6892	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.6884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6803	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6795	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6724	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6716	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6668	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.666	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.6617	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193	0.20159	106.6609	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6589	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23316	106.6581	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.3477	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.3462	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.3305	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20395	106.3289	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1363	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1355	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1324	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1316	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.1181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.1173	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.1127	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20316	106.112	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.0945	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.0937	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0918	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.091	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.0764	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.0756	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0682	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0682	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.0528	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20005	106.0521	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0509	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0501	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0281	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	106.0273	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.8228	P12:138:WFEC:MSL03	
20WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.822	P12:138:WFEC:MSL03	
20WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.7992	P12:138:WFEC:MSL03	
20WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.7984	P12:138:WFEC:MSL03	
20WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.7693	P12:138:WFEC:MSL03	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.7693	P12:138:WFEC:MSL03	
20WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.7458	P12:138:WFEC:MSL03	
20WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19648	105.745	P12:138:WFEC:MSL03	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.7144	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.7137	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.7063	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.7055	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.6932	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.6924	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.6827	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.6827	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.6791	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.6783	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.6654	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.6647	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.6571	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19739	105.6563	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.6427	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19686	105.6419	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.5097	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.5089	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.4892	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.4885	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.4704	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.4696	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.45	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19684	105.4492	CENTENNIAL - PAOLA 161KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.8321	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.8314	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.8109	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.8102	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.7646	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.7638	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30495	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8663	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8655	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8655	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8647	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8443	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8435	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8427	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.8419	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.8062	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.8054	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.8054	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.8046	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.7834	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.7826	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.7826	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19937	101.7818	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6143	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6143	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6095	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20632	101.6095	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.481	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4803	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4803	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4795	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4591	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4583	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4575	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19641	101.4567	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.1107	System Intact	
17G	06ALL_1	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.1099	System Intact	
17G	06ALL_3	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.0879	System Intact	
17G	06ALL_4	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.0879	System Intact	
17G	06ALL_6	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.0714	System Intact	
17G	06ALL_5	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.0706	System Intact	
17G	06ALL_7	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.0494	System Intact	
17G	06ALL_8	0	TO->FROM	G16_077	CIMARRON - MINCO 345KV CKT 1	1193.4	0.18955	101.0486	System Intact	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04063	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	132.7577	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03075	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	127.5431	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03524	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03533	122.057	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0777	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	119.0777	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03076	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03081	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03003	115.0674	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04311	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6601	P12:138:WFEC:MSL14	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6601	P12:138:WFEC:MSL14	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	P12:138:WFEC:MSL14	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	P12:138:WFEC:MSL14	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	P12:138:WFEC:MSL14	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.655	P12:138:WFEC:MSL14	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6499	P12:138:WFEC:MSL14	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03055	114.6499	P12:138:WFEC:MSL14	
16WP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1808	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1808	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1746	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1746	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1684	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1684	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1622	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03875	113.1622	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0376	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2862	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2862	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2812	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2812	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2763	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2763	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0388	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04129	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03008	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_077	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03266	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	109.7352	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_3	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	109.729	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_1	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	109.7247	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_4	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	109.719	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_2	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.4437	108.7732	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.4437	108.7622	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.4437	108.7145	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.4437	108.7036	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_6	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	108.6572	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_7	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	108.651	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_5	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	108.6467	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_8	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.44096	108.6409	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_2	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.43209	107.7443	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.43209	107.728	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	0	TO->FROM	G16_077	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.43209	107.6904	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	0	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.23763	114.3087	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.19791	101.0742	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.19791	100.9964	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.19791	100.986	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.19791	100.9099	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.07111	108.2192	System Intact	
17G	06ALL_4	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.07111	108.1982	System Intact	
17G	06ALL_2	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.07111	108.1681	System Intact	
17G	06ALL_1	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.07111	108.1471	System Intact	
20L	06ALL_3	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.05266	105.6575	System Intact	
20L	06ALL_2	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.05266	105.6089	System Intact	
20L	06ALL_4	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.05266	105.5722	System Intact	
20L	06ALL_1	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.05266	105.5236	System Intact	
17G	06NR_3	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.11046	104.6074	System Intact	
17G	06NR_2	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.11046	104.5616	System Intact	
17G	06NR_4	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.11046	104.4661	System Intact	
17G	06NR_1	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.11046	104.4203	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07357	103.9172	System Intact	
20SP	06ALL_2	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07357	103.8687	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07357	103.832	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07357	103.7834	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.0728	100.7241	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.0728	100.7031	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.0728	100.673	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.0728	100.652	System Intact	
17G	06NR_2	0	TO->FROM	G16_077	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.13004	110.6015	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_077	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.13004	110.5962	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_077	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.13004	109.4146	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_077	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.13004	109.4066	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09903	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	141.4729	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09903	141.4729	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_077	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.032	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.032	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.032	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.032	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16455	107.0876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16455	107.0849	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16455	106.8834	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16455	106.8807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.5709	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.5697	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.4967	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	183.4955	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	179.0562	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	179.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	178.982	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.24056	178.9808	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.2396	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.2384	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.2036	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.2024	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.1699	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.1688	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.1327	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	177.1315	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.9775	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.9763	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.9415	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.9402	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.9193	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.9169	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.9169	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.9157	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.9078	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.9066	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.8833	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.8821	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.8809	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	172.8797	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.8706	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2006	172.8694	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.5633	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	169.5633	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6476	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6452	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6452	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.644	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6116	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6105	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6093	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.20044	168.6081	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.8422	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.841	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.8087	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.8075	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.7453	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.7441	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.7118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.2345	165.7106	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23266	165.2641	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.5342	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.533	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.491	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.4898	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.4417	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.4393	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.3985	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19877	163.3961	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.6976	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.6964	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.6556	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.6556	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.5919	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.5907	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.5499	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.19666	161.5487	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.3131	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.3107	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.3047	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.3035	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.2711	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.2687	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.2627	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19726	158.2603	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.9751	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.9739	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.9429	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.9417	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.8689	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.8677	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.8367	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23015	155.8355	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20L	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.7578	System Intact	
20L	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.7565	System Intact	
20L	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.7274	System Intact	
20L	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.726	System Intact	
20L	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.6863	System Intact	
20L	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.685	System Intact	
20L	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.6559	System Intact	
20L	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12343	154.6545	System Intact	
17G	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.3931	System Intact	
17G	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.3917	System Intact	
17G	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.3613	System Intact	
17G	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.36	System Intact	
17G	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.3308	System Intact	
17G	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.3295	System Intact	
17G	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.299	System Intact	
17G	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15379	153.299	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.4939	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.4926	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.4634	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.4621	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.4224	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.421	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.3919	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15238	152.3906	System Intact	
17SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.2317	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.2317	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.2106	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.2093	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.1684	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.1684	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.146	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18089	152.146	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.272	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.2707	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.2693	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.268	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.2416	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.2402	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.2389	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15371	150.2376	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.9667	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.9655	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.9452	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.944	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.9045	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.9033	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.883	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19766	146.8818	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7326	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7207	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7196		CIMARRON - MINCO 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.71		CIMARRON - MINCO 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	143.7088		CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.0934		System Intact
20SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.092		System Intact
20SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.071		System Intact
20SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.071		System Intact
20SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.0224		System Intact
20SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.0224		System Intact
20SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.0014		System Intact
20SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17807	142.0001		System Intact
20SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2994		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2982		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2779		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2779		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2314		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2314		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2111		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19638	139.2099		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9653		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9641		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9546		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9546		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9522		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.951		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9415		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17315	138.9403		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.452		CIMARRON - MINCO 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.452		CIMARRON - MINCO 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.4389		CIMARRON - MINCO 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.4378		CIMARRON - MINCO 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.4045		CIMARRON - MINCO 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.4033		CIMARRON - MINCO 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.3902		CIMARRON - MINCO 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	136.3902		CIMARRON - MINCO 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8639		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8639		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8508		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8497		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8164		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8152		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8021		GRACEMONT - MINCO 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14251	131.8021		GRACEMONT - MINCO 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.5173		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.5161		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.4923		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.4911		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.4351		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.4339		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.4089		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	121.4089		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.8191		System Intact
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.8178		System Intact
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.81		System Intact
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.81		System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.8086	System Intact	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.8073	System Intact	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.7995	System Intact	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1233	117.7995	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.2263	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.2251	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.2013	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.2001	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.1441	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.143	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.118	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23974	117.118	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.4333	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.4322	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12774	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10149	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.1564	System Intact	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.1564	System Intact	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.1459	System Intact	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.1459	System Intact	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.1184	System Intact	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.1184	System Intact	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.108	System Intact	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.10069	116.108	System Intact	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.985	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9838	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9767	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9755	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9731	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9719	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.14001	115.9636	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3931	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11692	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.4015	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.4004	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.392	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.3908	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.388	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3868	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3809	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3797	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3785	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3773	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3714	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12929	114.3702	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10577	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.7159	P12:138:WFEC:MSLO3	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.7159	P12:138:WFEC:MSLO3	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.7088	P12:138:WFEC:MSLO3	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.7076	P12:138:WFEC:MSLO3	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.7064	P12:138:WFEC:MSLO3	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.7052	P12:138:WFEC:MSLO3	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.6981	P12:138:WFEC:MSLO3	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13037	113.6969	P12:138:WFEC:MSLO3	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.6142	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.613	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.607	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.6058	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3732	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.372	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3661	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3649	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13236	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10069	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0638	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0626	P12:345:SPSJ06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0602	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.059	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0542	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0531	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0507	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13197	112.0507	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.792	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7908	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7825	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7813	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12767	111.7742	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6746	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6734	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.662	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.662	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6608	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.108	111.6608	P12:345:SPS:J07.1.FINN.HITCH	
16WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.505	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.5039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.4955	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.4943	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.492	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.4908	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.4813	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	111.4813	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1929	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1917	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1834	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1822	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9909	P12:345:AEPW:PITTSB-7.VALIAN7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9743	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12526	110.9731	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.9015	P12:138:WFEC:MSL03	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.9015	P12:138:WFEC:MSL03	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.892	P12:138:WFEC:MSL03	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.8908	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8885	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8874	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.879	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8778	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.8647	P12:138:WFEC:MSL03	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.8647	P12:138:WFEC:MSL03	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.8551	P12:138:WFEC:MSL03	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10735	110.8551	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7617	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7605	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7522	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.751	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7328	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7316	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7232	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.7221	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.6983	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.6971	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.6888	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.6876	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1233	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5725	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5713	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5463	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5451	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10825	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.3166	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.3154	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.2916	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.2904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0758	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0746	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0508	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0496	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1016	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5406	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10145	109.5395	P12:345:AEPW-PITTSB-7:VALIANT7	
25SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23678	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7395	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7383	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.73	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7288	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7264	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7253	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7157	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17778	106.7157	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3657	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3645	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3039	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	106.3039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2474	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2462	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2403	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2391	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2379	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2367	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2308	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12954	104.2296	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13465	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.7753	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.7741	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.7135	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1797	101.7135	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0485	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0473	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0461	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0449	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.039	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13141	101.0378	CIMARRON - DRAPER LAKE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.9636	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.9636	System Intact	
25SP	06ALL_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.9426	System Intact	
25SP	06ALL_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.9413	System Intact	
25SP	06ALL_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.8928	System Intact	
25SP	06ALL_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.8928	System Intact	
25SP	06ALL_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.8718	System Intact	
25SP	06ALL_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.18339	100.8718	System Intact	
16WP	00NR_1	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.354	System Intact	
16WP	00NR_2	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3527	System Intact	
16WP	00NR_5	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3449	System Intact	
16WP	00NR_6	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3449	System Intact	
16WP	00NR_3	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3423	System Intact	
16WP	00NR_4	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3423	System Intact	
16WP	00NR_8	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3344	System Intact	
16WP	00NR_7	0	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12553	100.3331	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.3678	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.3667	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.2941	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	194.2929	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.8668	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.8656	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.818	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.793	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.24056	189.7918	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.4982	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.497	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.4624	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.4613	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.4291	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.4279	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.3922	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	187.391	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4822	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4798	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4798	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4786	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4464	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4453	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4441	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	183.4429	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.2601	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.2589	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.2244	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.2232	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.1911	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.1899	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.1542	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2006	183.153	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	181.0836	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.243	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2407	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2407	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2395	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2073	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2061	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2049	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.20044	179.2038	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.7981	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23266	176.7981	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.7426	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.7414	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.7093	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.7081	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.6463	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.6451	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.613	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2345	176.6118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.911	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.9098	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.8681	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.867	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.8194	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.817	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.7765	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19877	173.7741	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	172.1182	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	172.1171	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	172.0766	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	172.0766	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	172.0135	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	172.0123	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	171.9718	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19666	171.9706	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9872	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9848	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9789	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9777	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9455	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9432	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9372	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19726	168.9348	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.5385	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.5373	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.5064	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.5052	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.4327	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.4315	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.4006	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23015	167.3994	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.85	System Intact	
20L	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.8487	System Intact	
20L	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.8199	System Intact	
20L	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.8186	System Intact	
20L	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.7793	System Intact	
20L	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.778	System Intact	
20L	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.7492	System Intact	
20L	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12343	165.7479	System Intact	
17G	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.7612	System Intact	
17G	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.7598	System Intact	
17G	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.7297	System Intact	
17G	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.7284	System Intact	
17G	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.6996	System Intact	
17G	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.6983	System Intact	
17G	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.6681	System Intact	
17G	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15379	164.6681	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.2172	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.2172	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.1963	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.195	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.1544	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.1544	System Intact	
17SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.1322	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18089	164.1322	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.9025	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.9012	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.8723	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.8711	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.8317	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.8304	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.8016	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15238	163.8003	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9417	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9404	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9391	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9378	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9116	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9102	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9089	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15371	161.9076	System Intact	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.9103	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.9091	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.8972	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.896	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.8865	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	156.8853	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.8213	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.82	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.7991	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.7991	System Intact	
20SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.7506	System Intact	
20SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.7506	System Intact	
20SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.7297	System Intact	
20SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17807	154.7284	System Intact	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1333	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1321	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1202	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.119	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1095	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17315	152.1083	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.9157	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.9145	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.8943	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.8943	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.8479	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.8479	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.8277	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19638	150.8265	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.3979	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.3967	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.3633	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.3622	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.8057	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.8045	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.7712	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.77	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.7569	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14251	144.7569	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	134.042	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	134.0408	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	134.0171	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	134.0159	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	133.96	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	133.9588	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	133.9338	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	133.9338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2921	System Intact	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2908	System Intact	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2829	System Intact	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2829	System Intact	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2816	System Intact	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2803	System Intact	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2724	System Intact	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1233	132.2724	System Intact	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.398	System Intact	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.398	System Intact	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.3876	System Intact	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.3876	System Intact	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.3601	System Intact	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.3601	System Intact	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.3496	System Intact	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.10069	130.3496	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.7708	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.7696	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.7458	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.7446	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.6888	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.6876	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.6626	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23974	129.6626	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5613	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5601	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12774	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10149	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.1121	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.1109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.1038	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.1026	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.1002	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.099	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.0919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.14001	129.0907	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.3333	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.3321	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11692	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.5123	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.5112	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.5052	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.504	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.5028	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.5016	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.4957	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12929	127.4945	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2842	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2842	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2746	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2746	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2497	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2497	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2401	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10577	127.2401	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.839	P12:138:WFEC:MSL03	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.839	P12:138:WFEC:MSL03	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.8319	P12:138:WFEC:MSL03	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.8307	P12:138:WFEC:MSL03	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.8295	P12:138:WFEC:MSL03	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.8283	P12:138:WFEC:MSL03	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.8212	P12:138:WFEC:MSL03	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13037	126.82	P12:138:WFEC:MSL03	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7371	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7359	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7299	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7288	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7276	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7276	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7204	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.7204	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.4957	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.4945	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.4886	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.4874	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.4862	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.4862	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.479	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13236	126.479	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1818	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1807	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1723	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1711	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1688	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1676	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1581	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	126.1581	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.9117	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.9105	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.9034	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.9034	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.9022	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.901	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.895	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12767	124.8939	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.652	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.652	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.652	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.652	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.652	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.652	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6425	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6425	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6425	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6425	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6425	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6425	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6199	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6199	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6199	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6199	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6199	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6199	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6116	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6116	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6116	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6104	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6104	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.108	124.6104	P12:345:SPS:WALKEMEYER-HITCHLAND	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.3115	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.3103	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.3032	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.3032	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.302	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.3008	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.2937	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.2937	P13:138-24:AEPW:TURK 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1219	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1219	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1147	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1147	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1124	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1124	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.1052	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12526	124.104	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.0066	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	124.0054	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.9971	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.9959	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8506	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8494	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.841	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.8398	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.39	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.3888	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.3805	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.3793	P13:345-18:AEPW:WELSH 7_#3	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.265	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.2638	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.24	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.2388	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.2264	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.2252	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.2168	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.2156	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.0113	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	123.0101	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	122.9863	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	122.9851	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1016	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.5324	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.5324	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.5229	P12:345:AEPW:PITTSB-7:VALIANT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.5229	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.4979	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.4979	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.4883	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10145	122.4872	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23678	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.4163	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.4151	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.4068	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.4056	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.4032	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.402	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.3925	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17778	121.3925	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.098	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0968	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0837	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0837	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0492	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0492	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0362	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	121.0362	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9242	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9231	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9171	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9147	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9136	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9076	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12954	118.9064	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.7398	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.7398	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.7303	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.7303	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.7065	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.7065	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.697	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13465	116.697	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.5186	System Intact	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.5173	System Intact	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.5095	System Intact	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.5095	System Intact	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.5082	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.507	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.5069	System Intact	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.5069	System Intact	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.499	System Intact	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12553	116.4977	System Intact	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.4939	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.4939	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.4594	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.4594	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.4463	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1797	116.4463	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7451	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7451	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.738	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7368	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7356	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7344	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7285	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13141	115.7273	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2436	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2436	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2436	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2436	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2365	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2365	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2353	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	115.2353	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.7552	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.7552	System Intact	
25SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.7343	System Intact	
25SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.7329	System Intact	
25SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.6845	System Intact	
25SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.6845	System Intact	
25SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.6636	System Intact	
25SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.18339	114.6636	System Intact	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7946	System Intact	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7946	System Intact	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7841	System Intact	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7841	System Intact	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7566	System Intact	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7566	System Intact	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7461	System Intact	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13078	113.7461	System Intact	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3388		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3293		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13797	113.3293		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12685	113.1202		P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12685	113.1191		P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12685	113.1071		P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12685	113.1071		P12:345:SPSJ15.1.XRDS.TOLK
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10504	112.147		P12:345:SPSJ15.1.XRDS.TOLK
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10504	112.1459		P12:345:SPSJ15.1.XRDS.TOLK
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10504	112.1328		P12:345:SPSJ15.1.XRDS.TOLK
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10504	112.1328		P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0164		CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0164		TOLK STATION 345/115KV TRANSFORMER CKT 1
17G	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0152		CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0152		TOLK STATION 345/115KV TRANSFORMER CKT 1
17G	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0069		CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0069		TOLK STATION 345/115KV TRANSFORMER CKT 1
17G	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0057		CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1233	112.0057		TOLK STATION 345/115KV TRANSFORMER CKT 1
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4336		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4324		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4253		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4253		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4229		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4229		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4158		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12723	111.4158		P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.4117		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.4105		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.4034		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.4034		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.401		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.401		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.3939		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	111.3927		G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.9353		P12:138:WFEC:MSL03
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.9353		P12:138:WFEC:MSL03
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.927		P12:138:WFEC:MSL03
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.927		P12:138:WFEC:MSL03
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.9258		P12:138:WFEC:MSL03
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.9246		P12:138:WFEC:MSL03
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.9174		P12:138:WFEC:MSL03
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13296	110.9163		P12:138:WFEC:MSL03
17SP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.8263		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.8251		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.8132		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.812		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.812		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.8108		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.7989		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	110.7989		CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.6147		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.6147		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5976		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5976		CLEVELAND - G15066_T 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.5933	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.5933	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5893	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5881	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5869	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.5797	CLEVELAND - G15066_T 345.00 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.5469	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.5469	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.5267	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.20222	110.5255	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10069	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.5113	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.5101	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.5042	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.503	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.337	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3358	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3346	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3334	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3274	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12831	110.3263	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.726	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7249	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7134	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7122	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7082	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.6955	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.6944	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5734	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5722	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5663	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5651	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12987	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3205	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3193	P13:138-24:AEPW:TURK 4	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3121	P13:138-24:AEPW:TURK 4	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3121	P13:138-24:AEPW:TURK 4	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3098	P13:138-24:AEPW:TURK 4	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3098	P13:138-24:AEPW:TURK 4	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3026	P13:138-24:AEPW:TURK 4	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.3014	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.0923	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.0911	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0788	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0776	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.0745	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12553	109.0733	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0692	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.068	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13016	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9497	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12466	108.9485	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5094	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.5082	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.4852	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.484	P12:345:AEPW:PITTSB-7:VALIANT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.4757	P12:345:AEPW:PITTSB-7:VALIANT7
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.4745	P12:345:AEPW:PITTSB-7:VALIANT7
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.44	P12:345:AEPW:PITTSB-7:VALIANT7
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13258	108.44	P12:345:AEPW:PITTSB-7:VALIANT7
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2558	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13358	108.2546	G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.1424	P12:138:WFEC:MSL03
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.1424	P12:138:WFEC:MSL03
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.1329	P12:138:WFEC:MSL03
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.1329	P12:138:WFEC:MSL03
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.1067	P12:138:WFEC:MSL03
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.1055	P12:138:WFEC:MSL03
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.096	P12:138:WFEC:MSL03
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13838	108.096	P12:138:WFEC:MSL03
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2041	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	107.2041	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8677	P13:138-24:AEPW:TURK 4
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8677	P13:138-24:AEPW:TURK 4
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8661	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8661	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8582	P13:138-24:AEPW:TURK 4
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8582	P13:138-24:AEPW:TURK 4
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8565	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8565	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8332	P13:138-24:AEPW:TURK 4
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8332	P13:138-24:AEPW:TURK 4
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8316	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8316	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8237	P13:138-24:AEPW:TURK 4
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.8237	P13:138-24:AEPW:TURK 4
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8221	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13616	106.8221	ARCADIA - NORTHWEST 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.6141	P13:138-24:AEPW:PIRKEY 4

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.5701	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13078	106.5701	P13:138-24:AEPW:PIRKEY 4	
17SP	00NR_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0525	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0406	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18469	106.0406	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4024	System Intact	
17G	06NR_1	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.1433	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.1416	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.1242	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.1225	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.1182	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.1164	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.0982	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	103.0965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.394	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3923	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3749	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3689	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3671	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3489	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.22118	102.3472	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.3313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.3295	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.3148	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.3018	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.2992	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.2844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21867	100.2827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	173.052	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	173.0508	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	172.997	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	172.9946	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	172.8895	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	172.8871	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	172.8334	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	172.8322	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.7876	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.7865	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.7303	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.6252	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.6228	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.5691	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.27785	166.5679	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	166.1245	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	166.1233	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	166.0708	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	166.0696	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	165.9468	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	165.9456	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	165.8932	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	165.892	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	161.1318	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	161.1294	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	161.065	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	161.0626	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	160.9744	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	160.9732	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	160.9089	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	160.9065	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.8062	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.805	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.7525	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.7513	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.6285	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.6273	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.5748	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2718	159.5736	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	157.0908	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	157.0896	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	157.0265	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	157.0253	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	156.9133	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	156.9121	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	156.8502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	156.8478	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.5189	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.5165	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.4545	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.4533	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.3412	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.3388	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.2767	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	155.2755	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	155.1336	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	155.1312	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	155.0668	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	155.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	154.9762	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	154.975	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	154.9106	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23558	154.9083	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.2312	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.2288	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.2098	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.2062	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.1669	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.1646	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.1455	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	151.142	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	151.1211	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	151.1199	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	151.0567	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	151.0555	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	150.9436	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	150.9424	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	150.8804	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23293	150.878	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.6186	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.6162	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.5542	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.4408	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.4385	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.3764	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.20045	149.3752	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.1787	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.1763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.1573	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.1537	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.1144	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.112	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.093	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.23029	145.0894	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	122.0675	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	122.0663	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	122.0317	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	122.0305	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	121.9648	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	121.9636	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	121.929	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	121.9277	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.9863	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.9851	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.9504	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.9492	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.8836	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.8824	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.8477	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21423	118.8465	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.9053	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.9041	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.8518	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.8506	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.7281	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.7274	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.7269	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.7262	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.6916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.6904	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.6746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	115.6734	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.6105	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.6093	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.5747	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	115.5735	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.9492	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.948	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.9026	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.9014	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.8334	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.8322	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.7856	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2067	113.7844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.7017	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.7005	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.6659	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.6647	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.5848	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.5836	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.5491	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20699	112.5479	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.2488	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.2476	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.1953	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.1941	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.0716	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.0704	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.0181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27908	109.0169	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.9993	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.9981	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.9528	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.9516	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.8681	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.8669	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.8228	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19981	108.8216	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.066	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.066	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.0636	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.0636	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.0122	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.0122	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.011	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	105.011	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.9107	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.9095	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.9083	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.9083	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.8569	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.8569	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.8558	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20395	104.8558	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.3002	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.299	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.2536	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.2524	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.1628	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.1616	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.1151	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19753	104.1139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.7188	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.7188	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.7177	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.7177	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.7072	System Intact	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.7059	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.6676	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.6676	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.6664	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.6664	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.6572	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.6559	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.5612	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.5598	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.5495	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.5495	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.5483	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.5483	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.5112	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.1826	103.5099	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.4982	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.4982	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.497	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20032	103.497	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.8781	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.8769	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.8602	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.8578	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.8028	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.8016	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.7849	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20099	102.7825	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.7698	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.7685	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.7213	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.72	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.6455	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.6432	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.6324	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.63	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.6097	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.6097	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.5728	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.5704	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.5624	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17877	101.5611	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.5597	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_077	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19764	101.5573	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0801	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0793	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0596	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0588	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0216	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0208	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0011	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	147.0011	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5836	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5828	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.563	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5623	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5251	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5243	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.3078	143.5046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.5114	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.5114	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.4909	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.4901	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.4444	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.4436	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.4231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	136.4231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	133.0553	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	133.0553	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	133.0348	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	133.034	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	132.9883	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	132.9875	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	132.967	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2955	132.967	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.5454	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.5438	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.5154	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.5139	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.4902	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.4894	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.4603	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	131.4595	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.2849	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.2833	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.2549	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.2534	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.2297	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.2289	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.1997	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.25393	128.199	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6422	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6414	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6398	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6115	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	126.6107	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.7801	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.7793	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.7502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.7494	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.7132	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.7124	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.6833	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	124.6825	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3444	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3428	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.342	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3137	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.25339	123.3129	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.767	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.7662	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.737	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.7363	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.7	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.6992	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.67	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	121.6692	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.5832	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.5825	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.5533	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.5526	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.5163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.5156	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.4864	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24478	121.4856	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.8856	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.8848	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.8366	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27597	119.8358	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.6065	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.6057	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.5766	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.5758	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.5395	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.5387	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.5096	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21667	118.5088	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8357	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8349	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8151	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8143	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8033	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	117.8033	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.4829	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.4821	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.4648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.464	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.4261	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.4254	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.408	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27328	116.4072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.7209	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.7201	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.6608	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24615	115.66	P12:138:WFEC:MSL03	
17G	06NR_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8873	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8865	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8786	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8778	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8754	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8666	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	114.8658	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.6146	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.6138	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.5941	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.5933	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.275	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.2742	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.2544	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.2536	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24417	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7359	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7351	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7319	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.724	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23785	110.7232	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2375	P12:345:SPS:J07.1.FINN.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24339	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.8016	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.8008	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2451	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1731	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1723	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1179	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21941	109.1171	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24042	108.8253	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.5405	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.5397	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.4986	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.4978	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.4836	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.4828	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.4141	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.4133	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3722	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3714	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3572	P12:138:WFEC:MSL01	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3564	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3214	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3206	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.2795	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.2787	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.2645	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23318	108.2637	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0927	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0919	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0786	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0778	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	108.0022	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	108.0014	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	107.9888	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	107.988	P12:345:SPSJ04.1.FINN.HOLC(534)	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.9659	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.9659	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	107.9635	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	107.9635	P12:345:SPSJ04.1.FINN.HOLC(534)	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.9501	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	107.95	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2375	107.95	P12:345:SPSJ04.1.FINN.HOLC(534)	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.9493	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.913	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.9122	P12:138:WFEC:MSL03	
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.9079	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.9071	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.8964	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23604	107.8964	P12:138:WFEC:MSL03	
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.8937	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.8929	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.8677	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.8677	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.8535	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.21889	107.8535	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.1471	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.1463	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.1274	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.1266	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.1163	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.1163	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.0966	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	105.0958	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.4782	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.4766	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.4679	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.4671	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.464	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.4632	P12:115:SPS:T66.1.RNDALL.HAPPY	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.4545	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22281	104.453	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5755	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5748	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5669	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5661	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5614	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5606	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5527	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.5519	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23778	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3993	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3985	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3907	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3899	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3852	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3844	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3765	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.22228	103.3757	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.1446	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.1446	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.1304	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.1296	System Intact	
20L	06NR_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.105	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.1042	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.1035	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.1035	System Intact	
20L	06NR_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.0893	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22765	103.0885	System Intact	
20L	06NR_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20317	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.851	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.825	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.8242	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.8061	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.8053	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.7793	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.22521	102.7785	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.1876	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21229	102.1868	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23203	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.5501	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.5493	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.5138	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.513	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23075	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.3506	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.3498	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.276	P12:138:WFEC:MSL01	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.2255	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.2255	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1828	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.182	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21173	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1236	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1236	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1078	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2238	101.1078	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.5925	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.5917	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.5728	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.572	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.5617	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.5617	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.542	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1190	0.20305	100.5412	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3746	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3715	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3707	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.3518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_077	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20316	100.351	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.7827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.7801	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07637	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.953	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.9503	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.9097	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.8636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05819	133.8609	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.2235	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.2208	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.2047	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.202	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.8793	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.8766	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.8605	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.8578	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05466	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.5673	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.5646	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.5216	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.5216	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.5135	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.5135	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.4705	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	116.4705	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.8095	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.8068	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.2382	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.2355	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.1925	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.1898	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.2342	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.2315	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.1885	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.1858	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.9187	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.916	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.9049	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.9022	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.8753	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.8729	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.8726	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.8702	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04749	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.8221	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.8194	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05332	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.2243	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.2216	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.1593	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.1566	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.1187	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.116	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.0537	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	108.051	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.9357	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.933	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.8707	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.868	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.8301	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.8274	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20L	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.7651	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04151	107.7624	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05077	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.1409	System Intact	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.1409	System Intact	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.0965	System Intact	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.0965	System Intact	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.0787	System Intact	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.0787	System Intact	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.0343	System Intact	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04218	107.0343	System Intact	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.6748	P12:345:SPS:J04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.6748	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.6371	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.6344	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.6183	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.6183	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.5779	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.5779	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.5308	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.5281	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.5119	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.5092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.4794	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	105.4767	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.3503	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.3476	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04729	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.8922	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.8895	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.8814	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.8787	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04789	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.3855	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.3828	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.3424	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.3397	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.9512	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.9485	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.9081	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.9054	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04494	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.779	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.7763	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.7601	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.7574	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.7276	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04183	101.7249	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.5709	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.5682	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.5252	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06034	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.7362	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.7362	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.7124	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.7065	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.6886	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.6886	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.6589	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03631	109.6589	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.6469	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.6469	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.5405	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_077	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03025	106.5405	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06ALL_4	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.9928	System Intact	
20L	06ALL_3	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.9845	System Intact	
20L	06ALL_1	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.9637	System Intact	
20L	06ALL_2	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.9595	System Intact	
20L	06ALL_8	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.8391	System Intact	
20L	06ALL_7	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.8307	System Intact	
20L	06ALL_5	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.81	System Intact	
20L	06ALL_6	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04498	130.8058	System Intact	
17G	06ALL_4	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.1959	System Intact	
17G	06ALL_3	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.1918	System Intact	
17G	06ALL_1	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.1591	System Intact	
17G	06ALL_2	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.155	System Intact	
17G	06ALL_8	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.0447	System Intact	
17G	06ALL_7	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.0365	System Intact	
17G	06ALL_5	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	129.0038	System Intact	
17G	06ALL_6	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05297	128.9997	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	121.1113	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	121.1077	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	121.0893	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	121.082	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	120.9757	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	120.972	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	120.9537	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05431	120.9464	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	120.1567	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	120.153	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	120.1239	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	120.1203	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	119.9527	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	119.9491	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	119.9199	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_6	0	FROM->TO	G16_077	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05849	119.9163	System Intact	
17G	06ALL_4	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.4137	System Intact	
17G	06ALL_3	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.4098	System Intact	
17G	06ALL_1	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.3787	System Intact	
17G	06ALL_2	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.3748	System Intact	
17G	06ALL_8	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.2696	System Intact	
17G	06ALL_7	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.2618	System Intact	
17G	06ALL_5	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.2307	System Intact	
17G	06ALL_6	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05297	112.2268	System Intact	
20L	06ALL_4	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.2776	System Intact	
20L	06ALL_3	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.2699	System Intact	
20L	06ALL_1	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.2506	System Intact	
20L	06ALL_2	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.2468	System Intact	
20L	06ALL_8	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.135	System Intact	
20L	06ALL_7	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.1273	System Intact	
20L	06ALL_5	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.108	System Intact	
20L	06ALL_6	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04498	109.1042	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.2279	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.2244	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.2071	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.2001	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.0995	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.096	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.0786	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05431	104.0717	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.4037	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.4002	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.3724	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.369	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.2094	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.2059	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.1782	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_077	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05849	103.1747	System Intact	
17G	06NR_3	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.262	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2561	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03631	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.8862	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_077	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03025	114.8862	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_4	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.1869	System Intact	
17G	06ALL_3	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.183	System Intact	
17G	06ALL_1	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.1521	System Intact	
17G	06ALL_2	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.1482	System Intact	
17G	06ALL_8	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.0439	System Intact	
17G	06ALL_7	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.0362	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_5	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.0052	System Intact	
17G	06ALL_6	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05297	113.0014	System Intact	
20L	06ALL_4	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.5986	System Intact	
20L	06ALL_3	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.5909	System Intact	
20L	06ALL_1	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.5717	System Intact	
20L	06ALL_2	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.5679	System Intact	
20L	06ALL_8	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.4567	System Intact	
20L	06ALL_7	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.4491	System Intact	
20L	06ALL_5	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.4299	System Intact	
20L	06ALL_6	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04498	111.4261	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.3087	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.3052	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.288	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.2811	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.1811	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.1777	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.1604	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05431	104.1535	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	104.1159	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	104.1125	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	104.0849	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	104.0814	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	103.9229	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	103.9195	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	103.8919	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_077	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05849	103.8885	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.6276	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.6268	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.6029	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.6021	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.5486	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.5479	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.5239	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19997	101.5231	CRAWFISH765 765.00 - LES765 765.00 765KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	101.0136	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	101.0122	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.9979	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.9965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.993	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.9916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.9766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.9752	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.4	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.3985	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.3843	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.3829	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.3793	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.3779	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.363	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.22118	100.3616	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.27009	115.6171	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.27009	115.5801	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.27009	115.4638	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.27009	115.4241	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.25981	106.9972	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	06NR_2	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.25981	106.9593	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.25981	106.8485	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	0	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.25981	106.8107	P12:345:SPSJ15.1.XRDS.TOLK
20WP	00NR_7	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.7528	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.7528	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.752	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.752	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.7496	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.7496	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.7496	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15621	102.7496	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_8	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_5	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_6	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_3	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_4	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_1	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_2	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.09995	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_7	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_077	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11585	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.7379	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.7353	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_3	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.7299	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_4	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.7272	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_5	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.6978	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_6	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.6978	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.6925	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07714	116.6898	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_8	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.3078	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_7	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.3052	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_5	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.2702	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_6	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.2675	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_4	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.2136	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_3	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.2109	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_1	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.1759	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_2	0	TO->FROM	G16_077	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06436	111.1759	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07299	110.0499	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07299	109.9295	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07299	109.8224	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07299	109.702	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.0707	106.3092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.0707	106.2075	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.0707	106.0844	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.0707	105.98	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_7	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	518.2564	System Intact	
20L	06ALL_8	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	518.2564	System Intact	
20L	06ALL_5	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	517.9953	System Intact	
20L	06ALL_6	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	517.9953	System Intact	
20L	06ALL_3	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	517.9885	System Intact	
20L	06ALL_4	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	517.9885	System Intact	
20L	06ALL_1	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	517.7274	System Intact	
20L	06ALL_2	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06565	517.7274	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.4232	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.4232	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.2282	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.2282	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.2231	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.2231	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.0281	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.08797	389.0281	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	381	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.995	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.99	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.985	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.82	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.815	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.805	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09601	380.8	System Intact	
17G	06ALL_8	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	300.05	System Intact	
17G	06ALL_7	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	300.0463	System Intact	
17G	06ALL_4	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	299.9192	System Intact	
17G	06ALL_3	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	299.9155	System Intact	
17G	06ALL_5	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	299.9118	System Intact	
17G	06ALL_6	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	299.908	System Intact	
17G	06ALL_1	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	299.781	System Intact	
17G	06ALL_2	0	TO->FROM	G16_077	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.0825	299.7772	System Intact	
20WP	00NR_1	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3629	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05876	110.3629	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	106.3404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	106.3404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05963	106.3391	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	06NR_4	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.8962	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_3	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.8811	P13:230-345:SPS:POTTER_CO.1
17G	06NR_3	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.8811	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_1	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.5876	P13:230-345:SPS:POTTER_CO.1
17G	06NR_1	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.5876	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_2	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.5725	P13:230-345:SPS:POTTER_CO.1
17G	06NR_2	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.5725	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_8	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.5307	P13:230-345:SPS:POTTER_CO.1
17G	06NR_8	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.5307	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_7	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.5172	P13:230-345:SPS:POTTER_CO.1
17G	06NR_7	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.5172	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_5	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.2226	P13:230-345:SPS:POTTER_CO.1
17G	06NR_5	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.2226	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_6	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.2075	P13:230-345:SPS:POTTER_CO.1
17G	06NR_6	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.07074	108.2075	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_8	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.071	P13:230-345:SPS:POTTER_CO.1
17G	06NR_8	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.071	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_7	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.0575	P13:230-345:SPS:POTTER_CO.1
17G	06NR_7	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	108.0575	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_5	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	107.764	P13:230-345:SPS:POTTER_CO.1
17G	06NR_5	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	107.764	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_6	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	107.7489	P13:230-345:SPS:POTTER_CO.1
17G	06NR_6	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.07074	107.7489	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_3	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.10749	104.7078	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.10749	104.7045	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.10749	104.6405	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.10749	104.6371	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.10749	104.2618	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.10749	104.2585	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.10749	104.1947	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_077	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.10749	104.1914	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.2369	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_4	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.2369	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_1	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.1771	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_2	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.1771	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_7	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.1531	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_8	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.1531	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_5	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.0873	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_6	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.02976	133.0873	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_3	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.3096	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_4	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.3096	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_7	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.2856	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_8	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.2856	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_2	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.2677	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_1	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.2617	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_5	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.2377	P12:345:SPS:J06.1.POTTER.HITCH
17G	06NR_6	0	FROM->TO	G16_077	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.0323	124.2377	P12:345:SPS:J06.1.POTTER.HITCH
16WP	06ALL_1	0	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	179.9	0.21819	103.9271	P12:345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_4	0	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	179.9	0.21819	103.7967	P12:345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_2	0	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	179.9	0.21819	103.7915	P12:345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_3	0	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	179.9	0.21819	103.6612	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.4059	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.4009	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.3537	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07132	128.3512	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.381	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.3792	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_077	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09353	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.1377	108.0345	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.1377	108.0076	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.1377	107.8729	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.1377	107.8486	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.33543	127.4208	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.33543	127.3041	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.33543	127.1136	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.33543	126.9969	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	170.9	0.33998	122.6769	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	170.9	0.33998	122.5671	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	170.9	0.33998	122.4025	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	170.9	0.33998	122.2927	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.32389	104.4749	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.32389	104.4442	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.32389	104.1616	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.32389	104.1309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	148.7998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	148.7695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	148.249	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	148.2425	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	148.2188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	148.2122	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	147.6935	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	147.6633	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2179	140.9219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2179	140.8914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2179	140.3675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2179	140.337	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2179	140.1583	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2179	140.1279	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2179	139.6066	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2179	139.5763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.11418	110.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.11418	110.4925	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.11418	109.9629	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.11418	109.9459	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.11418	109.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.11418	109.82	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.11418	109.2933	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.11418	109.2764	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	106.0148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	105.9845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	105.6018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_5	0	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	105.5716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	105.4558	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.2157	105.4255	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	105.0446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.2157	105.0144	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	131.0267	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	131.014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	130.8501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	130.8374	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	105.0063	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	104.9936	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	104.8297	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_077	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.23509	104.817	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.69	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.69	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.6776	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.6776	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.6497	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.6497	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_1	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.6373	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	104.6373	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	TO->FROM	G16_077	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03908	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6757	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6757	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6623	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6623	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6319	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6319	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6185	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	113.6185	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.35	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.35	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.3366	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.3366	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.3063	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.3063	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.2929	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	113.2929	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03908	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_077	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03908	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
17G	06NR_1	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.21332	123.5761	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.21332	123.4355	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.21332	123.4171	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.21332	123.2765	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	172.9	0.21819	123.2301	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	172.9	0.21819	123.0945	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	172.9	0.21819	123.089	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	172.9	0.21819	122.9534	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.4052	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.3393	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.3347	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.2688	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11894	120.1986	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11894	120.1599	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11894	120.1349	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11894	120.0962	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.9338	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.8678	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.8633	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.7973	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.21923	105.1707	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.21923	105.0265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.21923	105.0145	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.21923	104.8703	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06616	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06ALL_2	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0239	P13:230-345:SPS:TUCO_INT.1	
20L	06ALL_2	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0239	P13:230-345:SPS:TUCO_INT.2	
20L	06ALL_2	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0239	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06ALL_4	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0239	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06ALL_4	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0084	P13:230-345:SPS:TUCO_INT.1	
20L	06ALL_4	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0084	P13:230-345:SPS:TUCO_INT.2	
20L	06ALL_4	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0084	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06ALL_4	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	125.0084	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06ALL_3	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.9225	P13:230-345:SPS:TUCO_INT.1	
20L	06ALL_3	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.9225	P13:230-345:SPS:TUCO_INT.2	
20L	06ALL_3	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.9225	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06ALL_3	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.9225	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06ALL_5	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.3113	P13:230-345:SPS:TUCO_INT.1	
20L	06ALL_5	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.3113	P13:230-345:SPS:TUCO_INT.2	
20L	06ALL_5	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.3113	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06ALL_5	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.3113	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06ALL_6	2	TO->FROM	G16_077	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.19975	124.2255	P13:230-345:SPS:TUCO_INT.1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.10883	103.4744	System Intact	
17G	06NR_2	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.10883	103.4272	System Intact	
17G	06NR_4	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.10883	103.3329	System Intact	
17G	06NR_1	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.10883	103.2858	System Intact	
20SP	06ALL_3	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07242	103.0761	System Intact	
20SP	06ALL_2	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07242	103.0289	System Intact	
20SP	06ALL_4	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07242	102.9909	System Intact	
20SP	06ALL_1	2	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.07242	102.9424	System Intact	
17G	06NR_4	2	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.16109	104.4882	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.16109	104.4855	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.16109	104.2813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.16109	104.2786	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.8061	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.8049	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.7954	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10261	111.7954	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.541	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.541	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.5315	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.5315	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.5231	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12434	111.5231	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1432	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1432	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1337	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1337	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1111	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1099	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1004	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10261	125.1004	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8784	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8784	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8689	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8689	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8605	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12434	124.8605	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.436	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.436	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.4265	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.4265	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.4075	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.4075	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.3968	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12777	107.3968	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.488	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.488	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.4868	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.4868	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.4832	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.4832	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.4809	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06167	106.4809	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1321	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1321	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1095	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1095	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.13063	105.1	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8883	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8883	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8291	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8291	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4677	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08436	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5446	System Intact	
20L	06ALL_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5446	System Intact	
20L	06ALL_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5446	System Intact	
20L	06ALL_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5446	System Intact	
20L	06ALL_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5446	System Intact	
20L	06ALL_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5432	System Intact	
20L	06ALL_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5432	System Intact	
20L	06ALL_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04741	101.5432	System Intact	
17G	06NR_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7097	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7074	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.7074	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4037	System Intact	
16WP	06ALL_6	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4037	System Intact	
16WP	06ALL_7	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4037	System Intact	
16WP	06ALL_8	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4037	System Intact	
16WP	06ALL_1	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4024	System Intact	
16WP	06ALL_2	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4024	System Intact	
16WP	06ALL_3	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4024	System Intact	
16WP	06ALL_4	2	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06509	100.4024	System Intact	
17G	06NR_3	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.527	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5243	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5108	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04313	101.5082	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.9491	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.9483	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.9243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.9235	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_6	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.8765	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_5	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.8757	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_7	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.8518	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_8	2	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19934	100.851	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.21923	103.9461	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.21923	103.8149	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.21923	103.804	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.21923	103.6728	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.27545	123.9362	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.27545	123.8956	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.27545	123.7789	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.27545	123.7409	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	00NR_1	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7375	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_2	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7375	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_3	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7348	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_4	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7348	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_5	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7294	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_6	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7294	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_7	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7267	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_8	2	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07466	102.7267	P12:345:AEPW:NWTXARK7:VALIANT7	
17G	06NR_2	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07124	108.4368	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07124	108.3164	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07124	108.2067	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07124	108.0889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.7005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.5988	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.4757	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.374	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8384	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8305	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8292	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8094	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8094	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8002	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	134.8002	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4385	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4385	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4306	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4293	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4096	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4096	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4005	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	131.4005	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2772	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2772	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2681	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2668	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2497	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2497	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0565	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0552	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0355	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0355	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0262	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07318	130.0262	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3731	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3665	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3652	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3639	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3625	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.3573	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	128.356	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.1098	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.1098	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.102	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.1007	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.081	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.081	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.0718	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10598	126.0718	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9744	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9744	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9652	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9639	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9469	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9469	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9378	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9378	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.561	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.5596	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.5504	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10468	123.5438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07575	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.8788	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10907	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7501	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7488	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7408	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7408	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7211	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7211	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7132	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06483	111.7119	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.6032	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.6032	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.594	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.5927	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.5729	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.5729	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.5637	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06041	111.5637	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06782	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6516	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06012	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11096	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9464	System Intact	
20L	06ALL_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9464	System Intact	
20L	06ALL_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9371	System Intact	
20L	06ALL_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9371	System Intact	
20L	06ALL_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9171	System Intact	
20L	06ALL_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9171	System Intact	
20L	06ALL_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9078	System Intact	
20L	06ALL_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05403	109.9078	System Intact	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.6492	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.6479	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.6374	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.636	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10811	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09071	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3934	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3921	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3828	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3815	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3802	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.3723	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	109.371	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05751	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	109.1283	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09746	109.0698	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.962	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9607	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05959	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06156	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09474	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3906	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3892	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3814	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3801	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08789	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08983	108.3072	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08701	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8115	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8102	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.6962	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.6962	P13:138-24:AEPW:TURK 4	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	107.5135		RIVER BEND 230/21.5KV TRANSFORMER CKT 1
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.506		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.5047		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.4955		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08921	107.4955		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.3287		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.3287		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.3195		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.3195		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.2998		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.2998		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.2906		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	107.2906		P13:138-24:AEPW:PIRKEY 4
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0248		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0248		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.017		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.017		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0025		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0012		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	106.9947		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	106.9947		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9431		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9431		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9339		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9339		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9143		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9143		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9051		P12:345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08278	106.9051		P12:345:EES-AEPW:7SAREPT:LONGWD7
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7846		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7832		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7754		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7741		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7584		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7584		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7492		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7492		P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.7379		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.7366		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.7274		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.7274		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.7104		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.7091		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.6999		P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08893	106.6999		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.4088		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.4088		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.3996		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.3983		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.3786		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.3786		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.3694		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08566	106.3681		PARK LANE - SEMINOLE 138KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.3312		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.3312		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.2946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09213	106.2933	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1497	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1484	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1144	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09845	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.036	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.036	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.019	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.0177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	105.989	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08366	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.891	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8896	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8082	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8069	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5281	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5268	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5177	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5177	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.5099	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.5086	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.5007	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5006	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5006	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.4994	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.498	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.4967	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.4915	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.4915	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.4888	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09621	105.4875	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.4032	P13:138-24:AEPW:TURK	4
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.4032	P13:138-24:AEPW:TURK	4
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.3941	P13:138-24:AEPW:TURK	4
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.3941	P13:138-24:AEPW:TURK	4
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.377	P13:138-24:AEPW:TURK	4
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.3757	P13:138-24:AEPW:TURK	4
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.3666	P13:138-24:AEPW:TURK	4
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.3666	P13:138-24:AEPW:TURK	4
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2954	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2954	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2875	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2875	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2744	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2744	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2666	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2666	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.215	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.215	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.2071	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.2071	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.194	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1927	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1862	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1849	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.0125	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.0125	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.0033	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	105.0033	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	104.9863	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	104.985	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	104.9758	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08546	104.9758	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8367	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8367	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8275	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8275	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8105	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8092	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	104.4767	P13:138-24:AEPW:TURK 4	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	104.4675	P13:138-24:AEPW:TURK 4	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	104.4675	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1612	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1599	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1245	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08469	104.1232	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.9139	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7849	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.7783	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.6852	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6777	System Intact	
20L	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6777	System Intact	
20L	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6685	System Intact	
20L	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6685	System Intact	
20L	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6474	System Intact	
20L	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6474	System Intact	
20L	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6382	System Intact	
20L	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05708	103.6382	System Intact	
17G	06ALL_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5628	System Intact	
17G	06ALL_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5628	System Intact	
17G	06ALL_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5536	System Intact	
17G	06ALL_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5536	System Intact	
17G	06ALL_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5351	System Intact	
17G	06ALL_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5351	System Intact	
17G	06ALL_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5259	System Intact	
17G	06ALL_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08425	103.5259	System Intact	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.3946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0906	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1658	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1609	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1596	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08892	103.1592	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1543	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.153	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1517	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1503	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1451	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08726	103.1437	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08403	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.9017	System Intact	
20WP	06ALL_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.9017	System Intact	
20WP	06ALL_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.8924	System Intact	
20WP	06ALL_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.8924	System Intact	
20WP	06ALL_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.8713	System Intact	
20WP	06ALL_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.8713	System Intact	
20WP	06ALL_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.862	System Intact	
20WP	06ALL_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08542	102.862	System Intact	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9595	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08549	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.8602	System Intact	
20WP	00NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.8602	System Intact	
20WP	00NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.851	System Intact	
20WP	00NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.851	System Intact	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8353	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.8313	System Intact	
20WP	00NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.8313	System Intact	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.8221	System Intact	
20WP	00NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08439	101.8221	System Intact	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08681	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08902	101.8195	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6488	System Intact	
16WP	06ALL_2	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6488	System Intact	
16WP	06ALL_3	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6395	System Intact	
16WP	06ALL_4	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6395	System Intact	
16WP	06ALL_5	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6211	System Intact	
16WP	06ALL_6	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6211	System Intact	
16WP	06ALL_7	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6118	System Intact	
16WP	06ALL_8	2	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08961	100.6118	System Intact	
17G	06NR_1	2	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.21923	110.5067	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.21923	110.3758	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.21923	110.3649	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.21923	110.234	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.1544	126.1263	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.1544	126.0993	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.1544	125.9591	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.1544	125.9321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.7277	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.6105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.4192	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.3019	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32744	113.3822	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32744	113.3514	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32744	113.0675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32744	113.0366	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.6265	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.5092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.3179	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.2007	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34313	101.2989	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34313	101.2063	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34313	100.9039	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34313	100.8113	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_2	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.21764	128.7403	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.21764	128.7101	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.21764	128.6177	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.21764	128.5876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.21764	128.1888	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.21764	128.1587	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.21764	128.0666	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_077	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.21764	128.0364	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	138.5537	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	138.4063	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	138.394	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	138.2466	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	118.5793	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	118.4626	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	118.2722	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	118.1616	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	113.6467	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	113.53	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	113.3396	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.28307	113.2228	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_1	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.2048	108.401	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.2048	108.3519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.2048	108.229	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.2048	108.186	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	107.5143	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	107.3669	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	107.3546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.21923	107.2072	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.381	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.3105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	130.2445	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11721	118.8082	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11721	118.774	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11721	118.7445	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.11721	118.7104	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.9095	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.8436	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.839	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	TO->FROM	G16_077	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.13448	102.7731	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.21923	105.1034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.21923	104.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.21923	104.9473	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_077	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.21923	104.8031	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06614	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06614	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06614	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_077	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06614	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_3	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.05114	102.2964	System Intact	
20L	06ALL_2	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.05114	102.2282	System Intact	
20L	06ALL_4	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.05114	102.2033	System Intact	
20L	06ALL_1	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.05114	102.1339	System Intact	
17G	06NR_3	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.10903	101.9379	System Intact	
17G	06NR_2	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.10903	101.8711	System Intact	
17G	06NR_4	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.10903	101.7859	System Intact	
17G	06NR_1	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.10903	101.7178	System Intact	
20SP	06ALL_3	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.07306	100.8797	System Intact	
20SP	06ALL_2	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.07306	100.8102	System Intact	
20SP	06ALL_4	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.07306	100.7853	System Intact	
20SP	06ALL_1	3	FROM->TO	G16_077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.07306	100.7171	System Intact	
17G	06NR_4	3	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16358	106.8406	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16358	106.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16358	106.6444	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_077	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.16358	106.6417	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.8322	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.8322	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.8073	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.8073	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.7978	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10259	111.7978	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5434	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5422	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12436	111.5243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1467	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1467	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1372	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1372	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1123	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1123	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1027	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.10259	125.1027	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8808	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8796	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12436	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4214	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4202	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12774	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06168	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.1306	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08123	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	104.8176	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07065	102.4562	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08435	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4889	System Intact	
20L	06ALL_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4889	System Intact	
20L	06ALL_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
20L	06ALL_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.0474	101.4875	System Intact	
17G	06NR_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08581	100.6959	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4037	System Intact	
16WP	06ALL_8	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4037	System Intact	
16WP	06ALL_2	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4024	System Intact	
16WP	06ALL_3	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4024	System Intact	
16WP	06ALL_4	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4024	System Intact	
16WP	06ALL_5	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4024	System Intact	
16WP	06ALL_6	3	FROM->TO	G16_077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06508	100.4024	System Intact	
17G	06NR_3	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.4552	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.3959	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04286	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_1	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.9089	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_2	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.9089	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_3	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.885	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_4	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.8842	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_6	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.8332	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_5	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.8324	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_7	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.8084	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_8	3	TO->FROM	G16_077	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.19923	100.8084	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.21923	103.8856	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.21923	103.7544	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.21923	103.7435	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_077	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.21923	103.6124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.27546	123.8315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.27546	123.7908	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.27546	123.6743	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_077	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.27546	123.6364	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	00NR_2	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7315	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_1	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7306	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_3	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7279	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_4	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7279	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_5	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7225	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_6	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7225	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_7	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7198	P12:345:AEPW-NWTKARK7-VALLIANT7	
16WP	00NR_8	3	TO->FROM	G16_077	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07467	102.7189	P12:345:AEPW-NWTKARK7-VALLIANT7	
17G	06NR_2	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07205	109.2519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07205	109.1288	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07205	109.0244	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.07205	108.9013	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.7575	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.6558	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.53	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_077	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.06852	104.4284	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.272	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2707	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07319	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3652	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3639	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10597	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9783	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9783	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9692	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9495	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9495	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10599	124.9404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1047	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07577	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.3284	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.3284	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.3166	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.3166	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.2876	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.2863	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.2744	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	115.2744	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10906	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7426	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7413	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06484	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5957	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5944	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5865	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5852	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5536	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06042	111.5536	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.3983	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.3969	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06783	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6857	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6844	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6765	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6752	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06013	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.0862	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11095	110.0849	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.9632	System Intact	
20L	06ALL_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.9632	System Intact	
20L	06ALL_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.9539	System Intact	
20L	06ALL_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.9539	System Intact	
20L	06ALL_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.9313	System Intact	
20L	06ALL_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.9313	System Intact	
20L	06ALL_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.922	System Intact	
20L	06ALL_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05402	109.922	System Intact	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6413	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6294	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10813	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0907	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3947	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3947	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3828	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3815	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.3723	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	109.371	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05752	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.1249	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.1249	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	109.1195	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.1131	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.1131	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09744	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	109.0074	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	109.0061	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05961	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06158	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5824	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5811	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09472	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3864	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3851	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3641	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3628		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.3617		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.3617		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3549		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	108.3549		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.3525		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08788	108.3525		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.3479		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.3479		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.34		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.34		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.3177		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.3177		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.3085		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08982	108.3085		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2406		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2406		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2327		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2314		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2104		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2104		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2012		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	108.2012		G15066_T 345.00 - SOONER 345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.8317		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.8317		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.8238		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.8225		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.8014		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.8014		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.7922		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05754	107.7922		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.7369		P13:138-24:AEPW:TURK 4
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.7369		P13:138-24:AEPW:TURK 4
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.729		P13:138-24:AEPW:TURK 4
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.7277		P13:138-24:AEPW:TURK 4
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.7067		P13:138-24:AEPW:TURK 4
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.7054		P13:138-24:AEPW:TURK 4
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.6976		P13:138-24:AEPW:TURK 4
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.6976		P13:138-24:AEPW:TURK 4
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.6018		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.6018		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5925		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5925		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5701		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5701		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5609		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5609		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5456		FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5456		FANCY POINT - RIVER BEND 230KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.5388		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.5375		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5364		FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5364		FANCY POINT - RIVER BEND 230KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.5296		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.5283		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0892	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.3235	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.3221	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.3012	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08189	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08277	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09563	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7025	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08892	106.7012	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08565	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3399	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3386	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3203	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.319	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09212	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1676	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1663	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1545	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1545	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1296	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1296	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1165	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09844	106.1165	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0399	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0386	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0111	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	106.0098	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08365	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9469	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9456	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09063	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8396	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8383	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09019	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08817	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09623	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.398	P13-138-24:AEPW:TURK 4	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.3967	P13-138-24:AEPW:TURK 4	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.3692	P13-138-24:AEPW:TURK 4	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.3679	P13-138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2993	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2993	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2915	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2915	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.277	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2757	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2692	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08263	105.2679	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06056	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.0073	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	105.0059	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	104.9876	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	104.9876	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	104.9785	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08545	104.9772	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8406	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8406	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8301	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8301	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8118	P12-345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08374	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	104.4794	P13:138-24:AEPW:TURK 4	
17G	06NR_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	104.4688	P13:138-24:AEPW:TURK 4	
17G	06NR_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	104.4688	P13:138-24:AEPW:TURK 4	
16WP	00NR_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08468	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.9165	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.9086	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.8994	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7876	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.7037	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.7024	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.6958	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.6865	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6703	System Intact	
20L	06NR_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6703	System Intact	
20L	06NR_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6611	System Intact	
20L	06NR_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6611	System Intact	
20L	06NR_5		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6387	System Intact	
20L	06NR_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6387	System Intact	
20L	06NR_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6294	System Intact	
20L	06NR_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0571	103.6294	System Intact	
17G	06ALL_1		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5642	System Intact	
17G	06ALL_2		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5642	System Intact	
17G	06ALL_3		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5549	System Intact	
17G	06ALL_4		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5549	System Intact	
17G	06ALL_5		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5351	System Intact	
17G	06ALL_6		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5351	System Intact	
17G	06ALL_7		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5259	System Intact	
17G	06ALL_8		3 TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08423	103.5259	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.3893	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09062	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1685	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.167	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1657	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08894	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1591	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08728	103.1578	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9192	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9192	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08405	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.903	System Intact	
20WP	06ALL_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.903	System Intact	
20WP	06ALL_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.8937	System Intact	
20WP	06ALL_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.8937	System Intact	
20WP	06ALL_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.8713	System Intact	
20WP	06ALL_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.8713	System Intact	
20WP	06ALL_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.862	System Intact	
20WP	06ALL_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0854	102.862	System Intact	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2247	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2155	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9621	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.945	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8628	System Intact	
20WP	00NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8628	System Intact	
20WP	00NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8549	System Intact	
20WP	00NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8536	System Intact	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8448	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8435	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.8379	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8356	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08683	101.8343	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8326	System Intact	
20WP	00NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8313	System Intact	
17G	06NR_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8234	System Intact	
20WP	00NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08438	101.8234	System Intact	
17G	06NR_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08904	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6642	System Intact	
16WP	06ALL_3	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6549	System Intact	
16WP	06ALL_4	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6549	System Intact	
16WP	06ALL_5	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6351	System Intact	
16WP	06ALL_6	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6351	System Intact	
16WP	06ALL_7	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6259	System Intact	
16WP	06ALL_8	3	TO->FROM	G16_077	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08958	100.6259	System Intact	
17G	06NR_1	3	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.21923	110.4425	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.21923	110.3117	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.21923	110.3008	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_077	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.21923	110.1699	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.15442	126.0353	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.15442	126.011	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.15442	125.868	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_077	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.15442	125.8411	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.6619	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.5447	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.3534	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	139.2361	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32559	109.3128	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32559	109.3004	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32559	108.998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.32559	108.9857	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.5607	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.4435	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.2522	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_077	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.34028	105.1349	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	138.463	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	138.3157	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	138.3034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	138.1561	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	115.5524	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	115.4665	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	115.2455	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	115.1657	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	110.6599	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	110.5739	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	110.3529	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.2794	110.267	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	107.4439	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	107.2966	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	107.2843	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.21923	107.137	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.20263	103.6437	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.20263	103.6192	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.20263	103.478	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_077	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.20263	103.4534	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5609	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5609	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5506	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5506	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5335	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5335	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5233	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	119.5233	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3634	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3634	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3497	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	115.3497	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.3752	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03716	112.3752	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9835	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9801		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.0497	107.9801		GRACEMONT - MINCO 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	122.1375		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	122.124		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	121.734		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	121.7206		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	115.0004		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	114.9951		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	114.607		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	114.599		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.7394		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.7341		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.7073		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.702		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.2979		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.2925		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.2658		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.1197	106.2604		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	103.8456		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_8	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	103.8321		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_6	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	103.442		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_5	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16417	103.4286		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	103.3048		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	103.3021		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	103.0116		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	103.0089		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	102.8448		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	102.8421		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	102.5516		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14349	102.5489		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	100.6079		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	100.6026		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_5	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	100.2119		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_6	0	FROM->TO	G16_078	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13341	100.2065		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.06099	121.3082		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.06099	121.2493		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.06099	113.2822		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.06099	113.2135		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.0469	111.8083		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.0469	111.7788		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.0469	103.8623		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.0469	103.8329		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.04618	102.0666		DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_4	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.04618	102.0568		DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.04618	100.8978		DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.04618	100.8781		DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.06099	100.5073		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_8	0	TO->FROM	G16_078	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.06099	100.4387		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_078	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.06099	111.6091		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_078	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.06099	111.5496		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_078	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.06099	103.4897		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_078	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.06099	103.4202		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09994	146.7766		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09994	146.7766		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09994	146.7766		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08619	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08619	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08619	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08619	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08619	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08619	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07679	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3373	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10128	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8066	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3138	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3138	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3095	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3095	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3073	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3073	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3031	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07479	109.3031	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0998	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07238	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.0725	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09892	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09894	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0688	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.9681	System Intact	
17G	06NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.9681	System Intact	
17G	06NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.9681	System Intact	
17G	06NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.9681	System Intact	
17G	06NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.966	System Intact	
17G	06NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.966	System Intact	
17G	06NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.9639	System Intact	
17G	06NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06637	100.9639	System Intact	
17SP	00NR_7	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10778	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3421	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.34	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.1014	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.1679	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.1636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.123	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.08083	129.1209	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.8858	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.8836	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.8643	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.8622	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.8172	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.8151	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.7958	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.7937	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.5662	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.5641	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.5448	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.5426	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.4977	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.4955	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.4763	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07638	106.4741	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	101.11	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	101.1079	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	101.0438	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	101.0416	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	101.0074	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	101.0053	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.9412	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.9391	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.8139	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.8118	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.7477	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.7455	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.7113	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.7092	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.6451	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06389	100.643	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2834	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2827	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2717	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2709	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2535	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2527	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.2417	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	133.241	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.4994	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.4986	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.4718	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28411	126.4711	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.6272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.6264	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.6154	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.6146	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.5973	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.5965	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.5855	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	124.5847	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.6072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.6064	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.5521	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.23773	120.5513	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0922	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0914	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0623	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0615	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0489	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0481	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0198	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	119.0191	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4425	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4417	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4307	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4299	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4126	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4118	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4008	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26376	115.4	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5111	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	111.5111	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9768	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.976	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9469	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9461	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9336	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9328	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9045	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	110.9037	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0345	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0345	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0298	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0298	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0132	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21318	110.0132	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	106.4397	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	106.4397	P12:230:SPS:K74.1.WEELR.SWT(520)	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	106.4397	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	106.4397	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22532	106.4397	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	102.2481	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	102.2473	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	102.219	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20279	102.2182	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20906	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
20L	06NR_5	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17573	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.8509	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.8501	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.8297	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.7927	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.7919	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.3763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.3755	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.3559	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.3551	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.3181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.3173	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29136	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.4416	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.3959	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.3951	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	144.0163	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	144.0163	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	143.9958	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	143.995	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	143.9494	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	143.9486	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	143.9282	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27935	143.9282	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4996	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.498	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4697	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4681	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4446	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4438	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4147	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	142.4139	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.24	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.2384	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.2101	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.2085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.185	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.1842	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.1551	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23192	139.1543	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.7016	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.7008	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.7001	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.6993	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.6718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.6718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.6711	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	137.6702	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.8537	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.8529	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.8239	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.8231	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.787	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.7862	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.7571	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	135.7563	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.4188	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.418	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.4173	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.4165	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.389	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.389	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.3882	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2371	134.3874	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.6714	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.6706	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.6415	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.6408	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.6046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.6039	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.5748	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22341	132.574	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.7871	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.7871	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.7698	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.769	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.7383	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.7383	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.721	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26178	130.7202	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.7304	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.7304	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.7194	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.7186	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.6989	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.6982	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.6871	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	128.6871	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4981	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4973	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.48	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4792	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4415	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4234	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.25946	127.4226	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.6212	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.6204	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.5613	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23352	126.5605	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5859	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5851	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5764	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.574	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5653	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	125.5645	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.523	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.5222	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.5026	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.5018	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1886	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1878	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1681	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1673	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23504	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4666	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4658	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4579	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4571	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4547	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4539	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23065	121.4452	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23305	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.7164	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.7156	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23583	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1827	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1819	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1277	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20822	120.1269	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.7446	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2279	119.7438	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4601	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4593	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4183	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4175	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4034	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.4026	ANADARKO - POCASSETT 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.3342	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.3334	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2924	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2917	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2775	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2767	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2418	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2411	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.2001	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.1993	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.1852	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	119.1844	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.1054	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.1046	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.0912	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.0904	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.9805	P12:138:WFEC:MSL03	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.9797	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.9435	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.9427	P12:138:WFEC:MSL03	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.927	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	118.927	P12:138:WFEC:MSL03	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.9239	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.9231	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.921	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.9202	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.9105	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.9097	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.9069	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.9061	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.8853	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.8853	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.8809	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.8809	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.8719	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22665	118.8719	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.8668	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20754	118.8668	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7802	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7795	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7653	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7653	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7385	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7377	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7236	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22124	118.7228	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.5821	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.5805	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.5719	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.5711	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.568	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.5672	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.5586	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21476	115.557	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6813	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6805	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6727	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6719	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6672	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6664	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6585	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.6578	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22842	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.5055	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.5047	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.4968	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.496	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.4913	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.4905	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.4827	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21408	114.4819	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0851	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0851	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0709	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0701	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0441	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0441	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.03	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21596	114.0292	System Intact	
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.8801	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.8786	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.8518	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.8378	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.837	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.8337	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.833	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.807	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20563	113.8062	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3047	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20063	113.3039	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22126	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.5982	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.5974	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.562	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.5612	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21818	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4694	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4686	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.3993	ANADARKO - POCASSETT 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.3993		ANADARKO - POCASSETT 138KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.3836		ANADARKO - POCASSETT 138KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.3836		ANADARKO - POCASSETT 138KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.3333	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.3333	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.3168	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.3168	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.3019	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.3011	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2829	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2829	P12:138:WFEC:MSL01	
20WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.2673	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.2673	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.2524	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19991	112.2524	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.6613	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.6613	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.6456	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21174	111.6456	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.8752	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.8744	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.8485	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.8477	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.8194	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.8186	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.7927	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20557	110.7919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.7953	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.7945	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.7818	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.7818	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.751	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.751	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.7383	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19316	109.7383	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.4726	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.4718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.4514	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.4506	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.4051	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.4043	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.3839	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	108.3839	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1948	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1932	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1924	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1909	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1681	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1673	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1657	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21107	108.1649	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3412	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3412	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3365	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3365	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3341	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3341	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3293	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	107.3293	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.2398		System Intact
20SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.239		System Intact
20SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.2241		System Intact
20SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.2241		System Intact
20SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.1902		System Intact
20SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.1902		System Intact
20SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.1753		System Intact
20SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20669	107.1745		System Intact
17G	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6803	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6795	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6724	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6716	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6668	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.666	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6589	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22526	106.6581	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.8321	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.8314	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.8109	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.8102	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.7646	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.7638	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.7434	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1194.9	0.28878	104.7434	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8765	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8765	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8718	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8718	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8694	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8694	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8647	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	102.8647	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6214	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6214	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6167	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6167	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6143	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6143	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6095	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20196	101.6095	G11_051T	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.1107		System Intact
17G	06ALL_1	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.1099		System Intact
17G	06ALL_3	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.0879		System Intact
17G	06ALL_4	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.0879		System Intact
17G	06ALL_6	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.0714		System Intact
17G	06ALL_5	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.0706		System Intact
17G	06ALL_7	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.0494		System Intact
17G	06ALL_8	0	TO->FROM	G16_078	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17331	101.0486		System Intact
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04113	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	132.7577	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03125	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	127.5431	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03528	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03512	122.057	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0313	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03132	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03036	115.0674	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04362	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6601	P12:138:WFEC:MSL14	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6601	P12:138:WFEC:MSL14	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	P12:138:WFEC:MSL14	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	P12:138:WFEC:MSL14	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	P12:138:WFEC:MSL14	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.655	P12:138:WFEC:MSL14	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6499	P12:138:WFEC:MSL14	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	114.6499	P12:138:WFEC:MSL14	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0393	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04179	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03056	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_078	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03322	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	109.7352	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	109.729	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	109.7247	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	109.719	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3266	108.7732	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3266	108.7622	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3266	108.7145	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3266	108.7036	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_6	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	108.6572	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_7	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	108.651	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_5	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	108.6467	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_8	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.26406	108.6409	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.32688	107.7443	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.32688	107.728	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.32688	107.6904	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.32688	107.6742	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	107.2755	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	107.2736	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	107.2684	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	107.2665	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_6	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	106.135	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_7	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	106.1331	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_5	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	106.1278	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_8	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.26417	106.1259	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06ALL_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1964.7	0.21501	100.7238	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06ALL_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1964.7	0.21501	100.7133	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06ALL_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1964.7	0.21501	100.7133	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06ALL_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1964.7	0.21501	100.7028	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.5	0.23017	239.5067	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.5	0.23017	239.4967	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20L	06NR_7	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.09211	113.0617	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.09211	113.0113	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.09211	112.9811	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.09211	112.8563	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.09211	112.8261	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.09211	112.7757	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.09211	112.7455	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	105.4665	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	105.4008	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	105.3805	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	105.3147	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	105.1479	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	105.0823	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	105.0621	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	104.9965	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	103.4091	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	103.3433	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	103.3231	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.0976	103.2573	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	103.0956	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	103.03	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	103.0098	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.0976	102.9442	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	117.6952	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	117.666	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	117.6128	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	117.5853	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	114.4186	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	114.3911	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	114.3379	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05856	114.3087	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05652	101.0742	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05652	100.9964	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05652	100.986	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05652	100.9099	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.03168	104.6074	System Intact
17G	06NR_2	0	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.03168	104.5616	System Intact
17G	06NR_4	0	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.03168	104.4661	System Intact
17G	06NR_1	0	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.03168	104.4203	System Intact
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	142.9018	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	142.842	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	134.7479	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	134.6781	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	129.9118	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	129.882	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	121.8562	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	121.8263	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	121.7694	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	121.6996	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	120.3759	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	120.346	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	120.0356	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	120.0257	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	118.8507	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	118.8308	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	118.7611	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	118.7312	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	114.1066	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	114.0761	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	113.92	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	113.8901	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	113.8321	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	113.8122	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	113.7724	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	113.7624	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	113.6055	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06099	113.5457	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	113.0057	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	112.9957	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05117	112.9153	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05117	112.8554	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	112.6644	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	112.6245	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	112.5874	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	112.5809	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	112.5675	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	112.551	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	112.4912	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	112.4613	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	112.3385	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	112.3186	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	111.4682	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	111.4283	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	111.1436	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	111.1336	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	110.966	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	110.9361	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04659	109.2721	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04659	109.2422	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	107.9383	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	107.9184	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	107.4971	P12:230:SPS:K18.1.RSVLT_S.TOLK
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	107.4971	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	107.4772	P12:230:SPS:K18.1.RSVLT_S.TOLK
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	107.4772	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04659	107.4698	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04659	107.4399	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04615	107.2615	P12:230:SPS:K30.2.RSVLT_N.TOLK
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04615	107.2317	P12:230:SPS:K30.2.RSVLT_N.TOLK
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	106.823	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	106.8131	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06048	106.718	P12:230:SPS:K51.1.OASIS.RSVLT
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06048	106.6682	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03943	106.3782	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03943	106.3483	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	106.311	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	106.281	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	106.2589	BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	106.2589	P12:115:SPS:V12.1.PLANTX.BAILEY
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	106.2589	P12:115:SPS:V12A.1.PLANTX.BAILEY

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	106.2191	BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	106.2191	P12:115:SPS:V12.1.PLANTX.BAILEY	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	106.2191	P12:115:SPS:V12A.1.PLANTX.BAILEY	
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	106.0752	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04426	106.0735	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04426	106.0636	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	106.0553	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	105.8644	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	105.8541	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0469	105.8345	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	105.8243	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	105.7466	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	105.7267	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	105.6546	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	105.6147	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	105.1963	EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	105.1564	EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	105.072	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	105.0521	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04426	104.9583	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04426	104.9384	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	104.9201	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04361	104.9002	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	104.8803	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04618	104.8703	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	104.858	P12:230:SPS:K18.1.RSVLT_S.TOLK	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	104.858	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	104.8082	P12:230:SPS:K18.1.RSVLT_S.TOLK	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	104.8082	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	104.6961	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05827	104.6662	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	104.6641	BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	104.6641	P12:115:SPS:V12.1.PLANTX.BAILEY	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	104.6641	P12:115:SPS:V12A.1.PLANTX.BAILEY	
17G	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05117	104.6517	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	104.6242	BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	104.6242	P12:115:SPS:V12.1.PLANTX.BAILEY	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	104.6242	P12:115:SPS:V12A.1.PLANTX.BAILEY	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	104.6026	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	104.6026	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05973	104.6022	P12:230:SPS:K30.2.RSVLT_N.TOLK	
17G	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05117	104.5919	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	104.5826	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	104.5826	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05973	104.5524	P12:230:SPS:K30.2.RSVLT_N.TOLK	
17G	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	104.4606	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06048	104.4353	P12:230:SPS:K51.1.OASIS.RSVLT	
17G	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	104.4207	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06048	104.3854	P12:230:SPS:K51.1.OASIS.RSVLT	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	104.2192	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	104.1893	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	103.9568	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	103.9468	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	103.6014	EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05577	103.5753	P12:115:SPS:T04.1.DFSMTH.CASTRO	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.14539	103.5615	EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05577	103.5454	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	103.4773	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	103.4773	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	103.4574	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04632	103.4574	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	103.2644	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05544	103.2245	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	102.9978	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	102.958	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	102.7647	P12:230:SPS:K18.1.RSVLT_S.TOLK	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	102.7647	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	102.7248	P12:230:SPS:K18.1.RSVLT_S.TOLK	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.0599	102.7248	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05577	102.1299	P12:115:SPS:T04.1.DFSMTH.CASTRO	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05577	102.1	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	102.0996	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	102.0797	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05117	102.0002	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05117	101.9404	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05997	101.7481	P12:345:SPS:J02.1.TOLK.EDDY	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05997	101.6883	P12:345:SPS:J02.1.TOLK.EDDY	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05936	101.6246	P13:115-230:SPS:ROOSEVELT.1	
17G	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05936	101.6246	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05936	101.5947	P13:115-230:SPS:ROOSEVELT.1	
17G	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05936	101.5947	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	101.5624	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05228	101.5325	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04659	101.0472	P12:230:SPS:K51.1.OASIS.RSVLT	
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04659	101.0173	P12:230:SPS:K51.1.OASIS.RSVLT	
20L	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	100.9844	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04113	100.9744	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03941	100.5927	CASTRO COUNTY INTERCHANGE - G14_040_1 115.00 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.03941	100.5728	CASTRO COUNTY INTERCHANGE - G14_040_1 115.00 115KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04049	100.4506	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04049	100.4406	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05936	100.1793	P13:115-230:SPS:ROOSEVELT.1	
17G	06NR_8	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.05936	100.1394	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	100.0788	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20L	06NR_2	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	100.0788	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	100.0489	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20L	06NR_1	0	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.04628	100.0489	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_2	0	TO->FROM	G16_078	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.11537	110.6015	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_078	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.11537	110.5962	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_078	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.11537	109.4146	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_078	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.11537	109.4066	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	134.7605	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	134.7005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	126.5718	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	126.5017	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0469	122.5767	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0469	122.5467	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0469	114.4867	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0469	114.4567	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	113.5379	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
17G	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	113.4678	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	112.6584	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	112.6484	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	112.1385	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	112.1085	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	111.4684	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	111.4484	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	110.5168	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	110.4867	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04361	106.535	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0469	106.5167	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04361	106.515	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0469	106.4867	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	106.475	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	106.465	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	105.7351	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	105.705	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04361	105.705	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04361	105.695	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	105.3392	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	105.285	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06099	105.2791	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	105.265	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_2	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	104.9284	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_1	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	104.9084	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05117	104.5392	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05117	104.4792	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	104.3101	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05544	104.2873	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	104.2801	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05544	104.2472	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	104.1133	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	104.0833	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_6	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	103.7284	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_5	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04618	103.7184	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05544	103.086	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05544	103.0459	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	102.6884	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.05827	102.6584	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04659	101.9556	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04659	101.9256	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04113	100.5094	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04113	100.4894	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04628	100.173	P12:230:SPS:K18.1.RSVLT_S.TOLK
20L	06NR_3	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04628	100.173	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04628	100.153	P12:230:SPS:K18.1.RSVLT_S.TOLK
20L	06NR_4	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04628	100.153	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_7	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04659	100.1456	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_8	0	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.04659	100.1156	P12:230:SPS:K51.1.OASIS.RSVLT
17G	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.06099	128.078	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.06099	128.0192	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.06099	120.0604	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.06099	119.9918	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.0469	117.0261	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.0469	116.9967	P12:345:SPS:J15.1.XRDS.TOLK

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
20L	06NR_2	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.0469	109.0884	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.0469	109.059	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_7	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.06099	107.2989	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	107.2945	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	107.2847	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.06099	107.2303	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	106.1269	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	106.1073	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.05827	105.9287	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.05827	105.8993	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.05827	104.3409	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.05827	104.3115	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04361	101.2865	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.0469	101.2685	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04361	101.2668	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.0469	101.239	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	101.2276	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	101.2178	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04361	100.4721	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04361	100.4623	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.04618	100.06	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.06099	103.6726	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_078	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.06099	103.6131	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.04537	129.6905	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.04537	129.6572	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.04537	129.5472	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.04537	129.5139	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.03876	126.2852	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.03876	126.2322	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.03876	126.1439	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.03876	126.0889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09994	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4388	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09994	142.4346	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_078	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03216	103.5156	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03216	103.5156	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03216	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03216	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03216	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03216	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.5709	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.5697	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.4967	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	183.4955	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	179.0562	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	179.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	178.982	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22678	178.9808	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.5633	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	169.5633	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.8422	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.841	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.8087	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.8075	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.7453	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.7441	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.7118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21664	165.7106	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21969	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.9751	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.9739	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.9429	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.9417	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.8689	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.8677	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.8367	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21359	155.8355	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.7578	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.7565	System Intact	
20L	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.7274	System Intact	
20L	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.726	System Intact	
20L	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.6863	System Intact	
20L	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.685	System Intact	
20L	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.6559	System Intact	
20L	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11038	154.6545	System Intact	
17G	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.3931	System Intact	
17G	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.3917	System Intact	
17G	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.3613	System Intact	
17G	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.36	System Intact	
17G	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.3308	System Intact	
17G	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.3295	System Intact	
17G	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.299	System Intact	
17G	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.13998	153.299	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.4939	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.4926	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.4634	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.4621	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.4224	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.421	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.3919	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.13934	152.3906	System Intact	
17SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.2317	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.2317	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.2106	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.2093	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.1684	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.1684	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.146	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17018	152.146	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.272	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.2707	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.2693	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.268	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.2416	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.2402	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.2389	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14354	150.2376	System Intact	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7326	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7207	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7196	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.71	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	143.7088	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.0934	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.092	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.071	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.071	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.0224	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.0224	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.0014	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16806	142.0001	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9653	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9641	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9522	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9511	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9415	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1678	138.9403	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.4389	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.4378	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.4045	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.4033	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8508	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8497	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8164	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8152	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8021	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13531	131.8021	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.5173	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.5161	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.4923	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.4911	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.4351	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.4339	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.4089	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	121.4089	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.8191	System Intact	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.8178	System Intact	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.81	System Intact	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.81	System Intact	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.8086	System Intact	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.8073	System Intact	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.7995	System Intact	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.11944	117.7995	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.2263	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.2251	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.2013	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.2001	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.1441	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.143	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.118	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22677	117.118	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.4333	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.4322	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12402	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09652	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.1564	System Intact	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.1564	System Intact	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.1459	System Intact	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.1459	System Intact	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.1184	System Intact	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.1184	System Intact	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.108	System Intact	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09553	116.108	System Intact	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.985	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9838	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9767	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9755	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9731	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9719	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13537	115.9636	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3931	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1108	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.4015	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.4004	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.392	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.3908	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.388	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3868	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3809	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3797	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3785	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3773	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3714	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12547	114.3702	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10068	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.7159	P12:138:WFEC:MSLO3	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.7159	P12:138:WFEC:MSLO3	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.7088	P12:138:WFEC:MSLO3	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.7076	P12:138:WFEC:MSLO3	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.7064	P12:138:WFEC:MSLO3	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.7052	P12:138:WFEC:MSLO3	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.6981	P12:138:WFEC:MSLO3	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12631	113.6969	P12:138:WFEC:MSLO3	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.6142	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.613	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.607	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.6058	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3732	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.372	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3661	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3649	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12886	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09553	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0638	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0626	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0602	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.059	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0542	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0531	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0507	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12856	112.0507	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.792	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7908	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7825	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7813	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12396	111.7742	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7024	P12:345:SPS:FINNEY-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6746	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6734	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.662	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.662	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6608	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10329	111.6608	P12:345:SPS:J07.1.FINN.HITCH	
16WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.505	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.5039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.4955	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.4943	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.492	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.4908	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.4813	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	111.4813	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1929	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1917	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1834	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1822	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9743	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1214	110.9731	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.9015	P12:138:WFEC:MSL03	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.9015	P12:138:WFEC:MSL03	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.892	P12:138:WFEC:MSL03	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.8908	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8885	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8874	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.879	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8778	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.8647	P12:138:WFEC:MSL03	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.8647	P12:138:WFEC:MSL03	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.8551	P12:138:WFEC:MSL03	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10192	110.8551	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7617	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7605	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7522	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.751	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7328	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7316	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7232	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.7221	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.6983	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.6971	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.6888	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.6876	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.11944	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5725	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5713	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5463	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5451	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10377	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.3166	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.3154	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.2916	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.2904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0758	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0746	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0508	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0496	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09645	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5406	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09629	109.5395	P12:345:AEPW-PITTSB-7:VALIANT7	
25SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22022	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7395	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7383	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.73	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7288	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7264	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7253	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7157	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17243	106.7157	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3657	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3645	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3039	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	106.3039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2474	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2462	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2403	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2391	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2379	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2367	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2308	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12581	104.2296	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.12968	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.7753	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.7741	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.7135	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.1725	101.7135	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0485	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0473	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0461	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0449	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.039	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12758	101.0378	CIMARRON - DRAPER LAKE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.9636	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.9636	System Intact	
25SP	06ALL_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.9426	System Intact	
25SP	06ALL_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.9413	System Intact	
25SP	06ALL_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.8928	System Intact	
25SP	06ALL_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.8928	System Intact	
25SP	06ALL_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.8718	System Intact	
25SP	06ALL_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17338	100.8718	System Intact	
16WP	00NR_1	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.354	System Intact	
16WP	00NR_2	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3527	System Intact	
16WP	00NR_5	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3449	System Intact	
16WP	00NR_6	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3449	System Intact	
16WP	00NR_3	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3423	System Intact	
16WP	00NR_4	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3423	System Intact	
16WP	00NR_8	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3344	System Intact	
16WP	00NR_7	0	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12167	100.3331	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.3678	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.3667	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.2941	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	194.2929	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.8668	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.8656	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.793	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22678	189.7918	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.7981	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21969	176.7981	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.7426	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.7414	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.7093	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.7081	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.6463	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.6451	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.613	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21664	176.6118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.5385	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.5373	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.5064	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.5052	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.4327	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.4315	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.4006	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21359	167.3994	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.85	System Intact	
20L	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.8487	System Intact	
20L	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.8199	System Intact	
20L	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.8186	System Intact	
20L	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.7793	System Intact	
20L	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.778	System Intact	
20L	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.7492	System Intact	
20L	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11038	165.7479	System Intact	
17G	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.7612	System Intact	
17G	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.7598	System Intact	
17G	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.7297	System Intact	
17G	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.7284	System Intact	
17G	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.6996	System Intact	
17G	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.6983	System Intact	
17G	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.6681	System Intact	
17G	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.13998	164.6681	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.2172	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.2172	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.1963	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.195	System Intact	
17SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.1544	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.1544	System Intact	
17SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.1322	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17018	164.1322	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.9025	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.9012	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.8723	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.8711	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.8317	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.8304	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.8016	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.13934	163.8003	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9417	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9404	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9391	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9378	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9116	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9102	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9089	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14354	161.9076	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.9103	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.9091	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.8972	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.896	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.8865	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	156.8853	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.8213	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.82	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.7991	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.7991	System Intact	
20SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.7506	System Intact	
20SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.7506	System Intact	
20SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.7297	System Intact	
20SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16806	154.7284	System Intact	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1333	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1321	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1202	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.119	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1095	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1678	152.1083	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.3979	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.3967	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.3633	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.3622	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.8057	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.8045	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.7712	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.77	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.7569	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13531	144.7569	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	134.042	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	134.0408	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	134.0171	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	134.0159	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	133.96	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	133.9588	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	133.9338	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	133.9338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2921	System Intact	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2908	System Intact	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2829	System Intact	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2829	System Intact	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2816	System Intact	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2803	System Intact	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2724	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.11944	132.2724	System Intact	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.398	System Intact	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.398	System Intact	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.3876	System Intact	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.3876	System Intact	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.3601	System Intact	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.3601	System Intact	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.3496	System Intact	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09553	130.3496	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.7708	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.7696	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.7458	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.7446	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.6888	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.6876	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.6626	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22677	129.6626	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5613	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5601	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12402	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09652	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.1121	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.1109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.1038	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.1026	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.1002	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.099	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.0919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13537	129.0907	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.3333	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.3321	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1108	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.5123	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.5112	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.5052	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.504	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.5028	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.5016	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.4957		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12547	127.4945		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2842		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2842		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2746		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2746		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2497		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2497		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2401		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10068	127.2401		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.839		P12:138:WFEC:MSL03
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.839		P12:138:WFEC:MSL03
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.8319		P12:138:WFEC:MSL03
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.8307		P12:138:WFEC:MSL03
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.8295		P12:138:WFEC:MSL03
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.8283		P12:138:WFEC:MSL03
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.8212		P12:138:WFEC:MSL03
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12631	126.82		P12:138:WFEC:MSL03
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7371		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7359		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7299		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7288		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7276		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7276		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7204		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.7204		P12:345:SPSJ04.1.FINN.HOLC(534)
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.4957		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.4945		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.4886		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.4874		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.4862		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.4862		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.479		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12886	126.479		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1818		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1807		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1723		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1711		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1688		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1676		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1581		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	126.1581		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.9117		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.9105		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.9022		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.901		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.895		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12396	124.8939		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.652		P12:345:SPSJ07.1.FINN.HITCH
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.652		P12:345:SPSJ07.1.FINN.HITCH
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.652		P12:345:SPSJ07.1.FINN.HITCH
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.652		P12:345:SPSJ07.1.FINN.HITCH

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.652	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6425	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6425	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6425	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6425	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6425	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6425	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6199	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6199	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6199	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6199	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6199	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6199	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6116	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6116	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6116	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6104	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6104	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10329	124.6104	P12:345:SPS:WALKEMEYER-HITCHLAND	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.3115	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.3103	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.3032	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.3032	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.302	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.3008	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.2937	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.2937	P13:138-24:AEPW:TURK 4	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1219	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1219	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1147	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1147	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1124	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1124	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.1052	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1214	124.104	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.0066	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	124.0054	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.9971	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.9959	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8506	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8494	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.841	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.8398	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.39	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.3888	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.3805	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.3793	P13:345-18:AEPW:WELSH 7_#3	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.265	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.2638	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.24	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.2388	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.2264	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.2252	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.2168	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.2156	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.0113	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	123.0101	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	122.9863	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	122.9851	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09645	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.5324	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.5324	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.5229	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.5229	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.4979	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.4979	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.4883	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09629	122.4872	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22022	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.4163	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.4151	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.4068	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.4056	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.4032	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.402	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.3925	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17243	121.3925	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.098	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0968	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0837	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0837		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0492		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0492		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0362		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	121.0362		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9242		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9231		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9171		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9159		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9147		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9136		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9076		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12581	118.9064		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.7398		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.7398		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.7303		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.7303		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.7065		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.7065		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.697		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12968	116.697		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.5186		System Intact
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.5173		System Intact
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.5095		System Intact
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.5095		System Intact
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.5082		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.507		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.5069		System Intact
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.5069		System Intact
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.499		System Intact
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12167	116.4977		System Intact
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.4939		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.4939		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.4594		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.4594		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.4463		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.1725	116.4463		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7451		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7451		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.738		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7368		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7356		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7344		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7285		CIMARRON - DRAPER LAKE 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12758	115.7273		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2436		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2436		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2436		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2436		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2365		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2365		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2353		GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	115.2353		GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1
25SP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.7552		System Intact
25SP	06ALL_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.7552		System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.7343	System Intact	
25SP	06ALL_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.7329	System Intact	
25SP	06ALL_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.6845	System Intact	
25SP	06ALL_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.6845	System Intact	
25SP	06ALL_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.6636	System Intact	
25SP	06ALL_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17338	114.6636	System Intact	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7946	System Intact	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7946	System Intact	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7841	System Intact	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7841	System Intact	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7566	System Intact	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7566	System Intact	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7461	System Intact	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12562	113.7461	System Intact	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13287	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12155	113.1202	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12155	113.1191	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12155	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12155	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09794	112.147	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09794	112.1459	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09794	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09794	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0164	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0164	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0152	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0152	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0069	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0069	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0057	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.11944	112.0057	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4336	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4324	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12337	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.4117	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.4105	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.3939	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	111.3927	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.9353	P12:138:WFEC:MSL03	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.9353	P12:138:WFEC:MSL03	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.927	P12:138:WFEC:MSL03	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.927	P12:138:WFEC:MSL03	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.9258	P12:138:WFEC:MSL03	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.9246	P12:138:WFEC:MSL03	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.9174	P12:138:WFEC:MSL03	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12891	110.9163	P12:138:WFEC:MSL03	
17SP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.8263	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.8251	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.8132	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.812	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.812	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.8108	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.7989	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	110.7989	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5893	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5881	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5869	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.5797	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09553	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.5113	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.5101	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.5042	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.503	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.337	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3358	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3346	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3334	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3274	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12446	110.3263	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.726	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7249	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7134	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7122	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7082	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.6955	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.6944	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5734	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5722	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5663	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5651	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12616	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3205	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3193	P13:138-24:AEPW:TURK 4	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3121	P13:138-24:AEPW:TURK 4	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3121	P13:138-24:AEPW:TURK 4	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3098	P13:138-24:AEPW:TURK 4	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3098	P13:138-24:AEPW:TURK 4	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3026	P13:138-24:AEPW:TURK 4	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.3014	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.0923	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.0911	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0788	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0776	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.0745	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12167	109.0733	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0692	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.068	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1263	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9497	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12082	108.9485	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5094	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.5082	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.4852	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.484	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.4757	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.4745	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12742	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2558	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12843	108.2546	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.1424	P12:138:WFEC:MSL03	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.1424	P12:138:WFEC:MSL03	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.1329	P12:138:WFEC:MSL03	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.1329	P12:138:WFEC:MSL03	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.1067	P12:138:WFEC:MSL03	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.1055	P12:138:WFEC:MSL03	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.096	P12:138:WFEC:MSL03	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13296	108.096	P12:138:WFEC:MSL03	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2041	CARTCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	107.2041	CARTCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13102	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.5701	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12562	106.5701	P13:138-24:AEPW:PIRKEY 4	
17SP	00NR_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0525	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0406	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.17896	106.0406	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4024	System Intact	
17G	06NR_1	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.1433	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.1416	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.1242	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.1225	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.1182	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.1164	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.0982	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	103.0965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.394	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3923	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3749	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3689	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3671	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3489	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20709	102.3472	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.3313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.3295	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.3148	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.3018	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.2992	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.2844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20298	100.2827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	173.052	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	173.0508	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	172.997	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	172.9946	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	172.8895	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	172.8871	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	172.8334	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	172.8322	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.7876	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.7865	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.7303	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.6252	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.6228	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.5691	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.24789	166.5679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	166.1245	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	166.1233	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	166.0708	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	166.0696	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	165.9468	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	165.9456	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	165.8932	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	165.892	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	161.1318	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	161.1294	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	161.065	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	161.0626	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	160.9744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	160.9732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	160.9089	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	160.9065	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.8062	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.805	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.7525	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.7513	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.6285	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.6273	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.5748	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24408	159.5736	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	157.0908	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	157.0896	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	157.0265	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	157.0253	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	156.9133	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	156.9121	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	156.8502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	156.8478	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	155.1336	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	155.1312	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	155.0668	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	155.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	154.9762	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	154.975	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	154.9106	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20199	154.9083	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.2312	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.2288	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.2098	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.2062	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.1669	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.1646	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.1455	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	151.142	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	151.1211	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	151.1199	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	151.0567	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	151.0555	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	150.9436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	150.9424	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	150.8804	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20132	150.878	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.1787	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.1763	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.1573	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.1537	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.1144	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.112	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.093	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.20582	145.0894	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.9053	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.9041	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.8518	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.8506	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.7281	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.7269	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.6746	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	115.6734	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.2488	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.2476	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.1953	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.1941	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.0716	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.0704	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.0181	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25135	109.0169	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.7072		System Intact
17SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.7059		System Intact
17SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.6572		System Intact
17SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.6559		System Intact
17SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.5612		System Intact
17SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.5598		System Intact
17SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.5112		System Intact
17SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.15828	103.5099		System Intact
20SP	06ALL_2	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.7698		System Intact
20SP	06ALL_1	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.7685		System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.7213	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.72	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.6097	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.6097	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.5624	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_078	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15628	101.5611	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0801	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0793	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0596	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0588	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0216	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0208	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0011	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	147.0011	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5836	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5828	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.563	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5251	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5243	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29136	143.5046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.5114	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.5114	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.4909	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.4901	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.4444	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.4436	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.4231	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	136.4231	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	133.0553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	133.0553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	133.0348	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	133.034	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	132.9883	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	132.9875	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	132.967	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27935	132.967	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.5454	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.5438	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.5154	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.5139	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.4902	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.4894	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.4603	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	131.4595	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.2849	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.2833	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.2549	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.2534	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.2297	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.2289	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.1997	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.23192	128.199	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6422	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6414	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6398	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6115	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	126.6107	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.7801	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.7793	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.7502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.7494	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.7132	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.7124	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.6833	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	124.6825	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3444	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3428	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.342	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3412	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3396	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2371	123.3388	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.5832	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.5824	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.5533	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.5525	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.5163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.5155	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.4864	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22341	121.4856	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.8856	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.8848	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.8366	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26178	119.8358	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8357	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8349	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8151	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8143	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8033	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	117.8033	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.4829	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.4821	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.4648	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.464	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.4261	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.4254	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.408	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.25946	116.4072	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.7209	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.7201	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.6608	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23352	115.66	P12:138:WFEC:MSL03	
17G	06NR_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8873	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8865	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8786	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8778	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8754	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8666	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	114.8658	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.6146	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.6138	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.5941	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.5933	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.275	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.2742	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.2544	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.2536	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23504	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7359	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7351	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7319	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.724	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23065	110.7232	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23305	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.8016	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.8008	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23583	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1731	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1723	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1179	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20822	109.1171	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2279	108.8253	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.5405	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.5397	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.4986	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.4978	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.4836	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.4828	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.4141	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.4133	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3722	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3714	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3572	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3564	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3214	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3206	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.2795	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.2787	POCASSETT - TUTTLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.2645		POCASSETT - TUTTLE 138KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22124	108.2637		POCASSETT - TUTTLE 138KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0927		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0919		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0786		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0778		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0525		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0525		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0384		PAOLA 161/115KV TRANSFORMER CKT 1
17G	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	108.0384		PAOLA 161/115KV TRANSFORMER CKT 1
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	108.0022		P12:345:SPSJ04.1.FINN.HOLC(534)
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	108.0014		P12:345:SPSJ04.1.FINN.HOLC(534)
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	107.9888		P12:345:SPSJ04.1.FINN.HOLC(534)
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	107.988		P12:345:SPSJ04.1.FINN.HOLC(534)
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.9659		P12:138:WFEC:MSL03
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.9659		P12:138:WFEC:MSL03
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	107.9635		P12:345:SPSJ04.1.FINN.HOLC(534)
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	107.9635		P12:345:SPSJ04.1.FINN.HOLC(534)
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.9501		P12:138:WFEC:MSL03
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	107.95		P12:345:SPSJ04.1.FINN.HOLC(534)
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22665	107.95		P12:345:SPSJ04.1.FINN.HOLC(534)
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.9493		P12:138:WFEC:MSL03
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.913		P12:138:WFEC:MSL03
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.9122		P12:138:WFEC:MSL03
17G	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.9079		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.9071		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.8964		P12:138:WFEC:MSL03
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	107.8964		P12:138:WFEC:MSL03
17G	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.8937		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.8929		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.8677		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.8677		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.8535		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20754	107.8535		ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.4782		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.4766		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.4679		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.4671		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.464		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.4632		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.4545		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21476	104.453		P12:115:SPS:T66.1.RNDALL.HAPPY
16WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5755		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5748		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5669		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5661		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5614		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5606		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5527		PAOLA 161/115KV TRANSFORMER CKT 1
16WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.5519		PAOLA 161/115KV TRANSFORMER CKT 1
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.5308		P12:345:SPSJ06.1.POTTER.HITCH
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.5308		P12:345:SPSJ06.1.POTTER.HITCH
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.5174		P12:345:SPSJ06.1.POTTER.HITCH
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.5174		P12:345:SPSJ06.1.POTTER.HITCH
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.5		P12:345:SPSJ06.1.POTTER.HITCH

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22842	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3993	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3985	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3907	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3899	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3852	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3844	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3765	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21408	103.3757	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.1446	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.1446	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.1304	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.1296	System Intact	
20L	06NR_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.105	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.1042	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.1035	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.1035	System Intact	
20L	06NR_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.0893	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21596	103.0885	System Intact	
20L	06NR_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19316	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.851	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.825	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.8242	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.8061	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.8053	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.7793	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1190	0.20563	102.7785	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.1876	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20063	102.1868	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22126	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.5501	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.5493	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.5138	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.513	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21818	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.3506	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.3498	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.2255	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.2255	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1828	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.182	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
20WP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.19991	101.1332	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1236	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1236	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1078	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_078	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21174	101.1078	POCASSETT - TUTTLE 138KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.7827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.7801	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.08272	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.953	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.9503	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.9097	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.8636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06589	133.8609	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.2235	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.2208	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.2047	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.202	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.8793	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.8766	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.8605	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.8578	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06456	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.5673	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.5646	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.5216	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.5216	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.5135	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.5135	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.4705	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	116.4705	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.8095	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.8068	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.2382	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.2355	CONWAY SUB - NICHOLS STATION 115KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.1925	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.1898	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.2342	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.2315	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.1885	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.1858	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.9187	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.916	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.9049	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.9022	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.8753	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.8729	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.8726	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.8702	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06007	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05619	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.8221	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.8194	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06024	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.2243	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.2216	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.1593	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.1566	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.1187	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.116	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.0537	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	108.051	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.9357	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.933	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.8707	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.868	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.8301	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.8274	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7711	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
20L	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.7651	CHSHLMWEST	345.00 - GRAPEVINE 345.00 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05374	107.7624	CHSHLMWEST	345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.728	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.728	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.728	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.728	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7226	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7226	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7226	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.7226	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.6769	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.6769	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.6769	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05749	107.6769	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.1409	System Intact	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.1409	System Intact	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.0965	System Intact	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.0965	System Intact	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.0787	System Intact	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.0787	System Intact	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.0343	System Intact	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04996	107.0343	System Intact	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.6748	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.6748	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.6371	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.6344	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.6183	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.6183	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.5779	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.5779	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.5308	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.5281	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.5119	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.5092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.4794	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	105.4767	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.3503	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.3476	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05527	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.8922	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.8895	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.8814	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.8787	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05273	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.3855	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.3828	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.3424	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.3397	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.9512	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.9485	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.9081	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.9054	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05328	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.779	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.7763	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.7601	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.7574	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.7276	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05014	101.7249	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.5709	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.5682	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.5252	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06837	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.7362	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.7362	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.7124	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.7065	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.6886	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.6886	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.6589	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03944	109.6589	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.6469	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.6469	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.5937	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.5937	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.5937	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.5937	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.5405	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_078	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03412	106.5405	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06ALL_4	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.9928	System Intact	
20L	06ALL_3	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.9845	System Intact	
20L	06ALL_1	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.9637	System Intact	
20L	06ALL_2	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.9595	System Intact	
20L	06ALL_8	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.8391	System Intact	
20L	06ALL_7	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.8307	System Intact	
20L	06ALL_5	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.81	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_6	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.05495	130.8058	System Intact	
17G	06ALL_4	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.1959	System Intact	
17G	06ALL_3	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.1918	System Intact	
17G	06ALL_1	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.1591	System Intact	
17G	06ALL_2	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.155	System Intact	
17G	06ALL_8	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.0447	System Intact	
17G	06ALL_7	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.0365	System Intact	
17G	06ALL_5	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	129.0038	System Intact	
17G	06ALL_6	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.06436	128.9997	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	121.1113	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	121.1077	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	121.0893	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	121.082	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	120.9757	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	120.972	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	120.9537	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.06428	120.9464	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	120.1567	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	120.153	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	120.1239	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	120.1203	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	119.9527	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	119.9491	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	119.9199	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_078	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.06812	119.9163	System Intact	
17G	06ALL_4	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.4137	System Intact	
17G	06ALL_3	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.4098	System Intact	
17G	06ALL_1	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.3787	System Intact	
17G	06ALL_2	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.3748	System Intact	
17G	06ALL_8	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.2696	System Intact	
17G	06ALL_7	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.2618	System Intact	
17G	06ALL_5	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.2307	System Intact	
17G	06ALL_6	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.06436	112.2268	System Intact	
20L	06ALL_4	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.2776	System Intact	
20L	06ALL_3	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.2699	System Intact	
20L	06ALL_1	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.2506	System Intact	
20L	06ALL_2	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.2468	System Intact	
20L	06ALL_8	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.135	System Intact	
20L	06ALL_7	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.1273	System Intact	
20L	06ALL_5	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.108	System Intact	
20L	06ALL_6	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.05495	109.1042	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.2279	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.2244	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.2071	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.2001	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.0995	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.096	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.0786	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.06428	104.0717	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.4037	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.4002	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.3724	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.369	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.2094	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.2059	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_5	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.1782	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_078	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.06812	103.1747	System Intact	
17G	06NR_3	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2859	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2859	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.262	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2561	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2382	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2382	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2084	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03944	118.2084	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.9928	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.9928	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.9395	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.9395	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.9395	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.9395	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.8862	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03412	114.8862	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.8834	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.8834	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.8238	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.8238	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.7999	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.7999	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.7463	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.7403	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.4384	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_4	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.4384	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_1	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.3788	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_2	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.3788	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_7	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.3549	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_8	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.3549	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_5	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.3013	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_6	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	104.2953	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_3	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	103.1034	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	103.1034	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	103.0438	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	103.0438	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	103.0199	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	103.0199	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	102.9662	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	102.9603	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.5141	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.5141	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.4545	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.4545	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.4306	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.4306	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.3769	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03144	101.371	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.1869	System Intact	
17G	06ALL_3	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.183	System Intact	
17G	06ALL_1	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.1521	System Intact	
17G	06ALL_2	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.1482	System Intact	
17G	06ALL_8	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.0439	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_7	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.0362	System Intact	
17G	06ALL_5	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.0052	System Intact	
17G	06ALL_6	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.06436	113.0014	System Intact	
20L	06ALL_4	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.5986	System Intact	
20L	06ALL_3	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.5909	System Intact	
20L	06ALL_1	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.5717	System Intact	
20L	06ALL_2	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.5679	System Intact	
20L	06ALL_8	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.4567	System Intact	
20L	06ALL_7	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.4491	System Intact	
20L	06ALL_5	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.4299	System Intact	
20L	06ALL_6	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.05495	111.4261	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.3087	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.3052	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.288	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.2811	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.1811	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.1777	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.1604	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.06428	104.1535	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	104.1159	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	104.1125	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	104.0849	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	104.0814	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	103.9229	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	103.9195	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	103.8919	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_078	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.06812	103.8885	System Intact	
17G	06NR_1	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	101.0136	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	101.0122	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.9979	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.9965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.993	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.9916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.9766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.9752	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.4	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.3985	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.3843	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.3829	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.3793	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.3779	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.363	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20709	100.3616	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.10016	106.9972	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.10016	106.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.10016	106.8485	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.10016	106.8107	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	00NR_7	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15674	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_8	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_5	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_6	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_3	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_4	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_1	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_2	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10301	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_7	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_078	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11787	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.7379	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.7353	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.7299	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.7272	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.6978	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.6978	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.6925	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.0833	116.6898	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.3078	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.3052	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.2702	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.2675	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.2136	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.2109	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.1759	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_078	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07224	111.1759	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06ALL_7	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	518.2564	System Intact	
20L	06ALL_8	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	518.2564	System Intact	
20L	06ALL_5	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	517.9953	System Intact	
20L	06ALL_6	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	517.9953	System Intact	
20L	06ALL_3	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	517.9885	System Intact	
20L	06ALL_4	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	517.9885	System Intact	
20L	06ALL_1	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	517.7274	System Intact	
20L	06ALL_2	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07614	517.7274	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.4232	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.4232	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.2282	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.2282	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.2231	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.2231	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.0281	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_2	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09847	389.0281		System Intact
16WP	06ALL_3	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	381		System Intact
16WP	06ALL_4	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.995		System Intact
16WP	06ALL_7	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.99		System Intact
16WP	06ALL_8	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.985		System Intact
16WP	06ALL_2	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.82		System Intact
16WP	06ALL_1	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.815		System Intact
16WP	06ALL_6	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.805		System Intact
16WP	06ALL_5	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10413	380.8		System Intact
17G	06ALL_8	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	300.05		System Intact
17G	06ALL_7	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	300.0463		System Intact
17G	06ALL_4	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	299.9192		System Intact
17G	06ALL_3	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	299.9155		System Intact
17G	06ALL_5	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	299.9118		System Intact
17G	06ALL_6	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	299.908		System Intact
17G	06ALL_1	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	299.781		System Intact
17G	06ALL_2	0	TO->FROM	G16_078	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09363	299.7772		System Intact
20WP	00NR_1	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_2	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_3	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2489	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2489	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2462	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2462	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2462	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	111.2462	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_1	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3656	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3656	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3643	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3643	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3643	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3643	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_7	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3629	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_8	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	110.3629	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_2	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_3	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3391	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_4	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3391	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_5	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3364	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_6	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3364	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_7	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3364	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_8	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.0591	106.3364	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_1	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4872	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_2	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4872	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_3	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4859	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_4	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4859	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_5	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4859	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_6	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4859	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_7	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4846	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_8	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0583	105.4846	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03399	100.89	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03399	100.89	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03399	100.8887	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03399	100.8887	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03399	100.8861	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.2	0.03399	100.8861	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

Table with columns: SEASON, GROUP, SCENARIO, DIRECTION, SOURCE, MONITORED ELEMENT, RATE (MVA), TDF, CONTINGENCY LOADING %, and CONTINGENCY. It contains 100 rows of data detailing transmission constraints across various scenarios and elements.

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	06NR_5	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11135	107.764	P13:230-345:SPS:POTTER_CO.1
17G	06NR_5	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11135	107.764	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_6	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11135	107.7489	P13:230-345:SPS:POTTER_CO.1
17G	06NR_6	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.11135	107.7489	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_3	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.12701	104.7078	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.12701	104.7045	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.12701	104.6405	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	557.2	0.12701	104.6371	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.12701	104.2618	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.12701	104.2585	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.12701	104.1947	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_078	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 2	559.2	0.12701	104.1914	P12:345:SPSJ15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.2369	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_4	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.2369	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_1	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.1771	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_2	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.1771	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_7	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.1531	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_8	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.1531	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_5	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.0873	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_6	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03296	133.0873	P12:115:SPS:T08.2.SPRMN.PRNGLE
17G	06NR_3	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.3096	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_4	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.3096	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_7	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.2856	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.2856	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.2677	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.2617	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_5	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.2377	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_6	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	156.7	0.03508	124.2377	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_8	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.5296	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_7	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.5237	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_5	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.4822	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_6	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.4822	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_3	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.4763	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_4	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.4763	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_1	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.4347	P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_2	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 1	158.1	0.03056	111.4347	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_3	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.7971	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_4	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.7971	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_1	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.7439	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_2	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.7439	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_7	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.7261	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_8	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.7261	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_5	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.667	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_6	0	FROM->TO	G16_078	PRINGLE INTERCHANGE - SPEARMAN INTERCHANGE 115KV CKT 2	158.7	0.02966	118.667	P12:115:SPS:T06.1.SPRMN.PRNGLE
17G	06NR_3	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.4477	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_4	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.4477	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_7	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.4309	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.4309	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.4141	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.4141	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_5	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.3973	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_6	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.3	0.02952	101.3973	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_7	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.9	0.02952	101.1875	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.9	0.02952	101.1875	P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.9	0.02952	101.1708	P12:345:SPSJ06.1.POTTER.HITCH

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.9	0.02952	101.1708	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.9	0.02952	101.154	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	FROM->TO	G16_078	PRINGLE INTERCHANGE (ENRCO13617-1) 230/115/13.2KV TRANSFORMER CKT 1	167.9	0.02952	101.154	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.4059	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.4009	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.3537	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.08083	128.3512	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.381	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.3792	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_078	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.1014	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFORTH INTERCHANGE 230KV CKT 1	348.1	0.10519	108.0345	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFORTH INTERCHANGE 230KV CKT 1	348.1	0.10519	108.0076	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFORTH INTERCHANGE 230KV CKT 1	348.1	0.10519	107.8729	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFORTH INTERCHANGE 230KV CKT 1	348.1	0.10519	107.8486	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFORTH INTERCHANGE 115KV CKT 1	152.7	0.03175	127.4208	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFORTH INTERCHANGE 115KV CKT 1	152.7	0.03175	127.3041	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFORTH INTERCHANGE 115KV CKT 1	152.7	0.03175	127.1136	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFORTH INTERCHANGE 115KV CKT 1	152.7	0.03175	126.9969	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	148.7998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	148.7695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	148.249	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	148.2425	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	148.2188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	148.2122	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	147.6935	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	147.6633	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.27968	140.9219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.27968	140.8914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.27968	140.3675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.27968	140.337	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.27968	140.1583	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.27968	140.1279	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.27968	139.6066	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.27968	139.5763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.25133	124.6302	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.25133	124.615	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.25133	124.2198	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.25133	124.2047	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.25133	124.0866	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.25133	124.0715	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.25133	123.6778	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.25133	123.6627	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.26721	117.4679	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.26721	117.4528	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26721	117.2674	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26721	117.2523	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.26721	116.9309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.26721	116.9158	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26721	116.7311	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26721	116.716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.26187	115.1907	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.26187	115.1806	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.26187	115.0137	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.26187	115.0036	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.26187	114.6472	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.26187	114.6388	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.26187	114.4708	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.26187	114.4624	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.23089	110.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.23089	110.4925	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.23089	109.9629	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.23089	109.9459	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.23089	109.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.23089	109.82	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.23089	109.2933	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.23089	109.2764	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	106.0148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	105.9845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	105.6018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	105.5716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	105.4558	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.27594	105.4255	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	105.0446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.27594	105.0144	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.23455	103.5074	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.23455	103.4922	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.23455	103.3419	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.23455	103.3268	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.23455	102.9643	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.23455	102.9492	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.23455	102.7995	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.23455	102.7844	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	131.0267	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	131.014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	130.8501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	130.8374	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.20763	117.9449	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	105.0063	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	104.9936	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	104.8297	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20742	104.817	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	664	0.22593	102.7292	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	664	0.22593	102.7066	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	664	0.22593	102.6656	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	664	0.22593	102.643	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	101.685	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	101.685	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	101.4047	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	101.4047	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	101.3736	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	101.3736	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.29625	100.6451	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_1	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28596	100.2708	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_2	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28596	100.2355	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	100.1796	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	100.1796	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	100.1485	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.28955	100.1485	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_7	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.69	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.69	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.6776	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.6776	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.6497	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.6497	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.6373	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	104.6373	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	TO->FROM	G16_078	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04149	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6757	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6757	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6623	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6623	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6319	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6319	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6185	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	113.6185	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.35	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.35	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.3366	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.3366	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.3063	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.3063	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.2929	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	113.2929	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04149	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_078	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04149	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.03679	123.5761	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.03679	123.4355	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.03679	123.4171	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.03679	123.2765	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.04221	105.1707	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.04221	105.0265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.04221	105.0145	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.04221	104.8703	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06684	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.15337	117.0099	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.15337	116.9927	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.15337	116.7798	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.15337	116.7627	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.5316	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.5316	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.5316	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.5316	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.4715	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.4715	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.4715	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.4715	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.408	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.408	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.408	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.408	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.3496	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.3496	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.3496	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	108.3496	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	107.0175	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	107.0175	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	107.0175	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	107.0175	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.9591	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.9591	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.9591	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.9591	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8956	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8956	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8956	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8956	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8355	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8355	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8355	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14381	106.8355	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.3069	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.3069	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.3069	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.3069	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.221	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.221	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.221	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.221	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.2056	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.2056	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.2056	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.2056	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.118	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.118	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.118	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	105.118	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.5066	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.5066	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.5066	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.5066	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4208	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4208	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4208	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4208	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4053	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4053	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4053	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.4053	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.3177	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.3177	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.3177	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.11358	104.3177	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.15337	100.0249	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.15337	100.0078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.03027	103.4744	System Intact	
17G	06NR_2	2	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.03027	103.4272	System Intact	
17G	06NR_4	2	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.03027	103.3329	System Intact	
17G	06NR_1	2	FROM->TO	G16_078	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.03027	103.2858	System Intact	
17G	06NR_3	2	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.05721	115.1575	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.05721	115.0883	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.05721	107.0624	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.05721	106.9932	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.05721	106.7489	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.05721	106.6795	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.05721	101.7546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.05721	101.6862	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04951	132.5415	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04951	132.5081	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04951	132.3981	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04951	132.3647	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04207	128.7858	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04207	128.7328	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04207	128.6424	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.04207	128.5914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09757	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09757	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09757	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09757	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8291	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	104.8291	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07073	102.4677	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08363	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_3	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5446	System Intact	
20L	06ALL_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5446	System Intact	
20L	06ALL_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5446	System Intact	
20L	06ALL_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5446	System Intact	
20L	06ALL_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5446	System Intact	
20L	06ALL_1	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5432	System Intact	
20L	06ALL_2	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5432	System Intact	
20L	06ALL_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04756	101.5432	System Intact	
17G	06NR_3	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7074	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08612	100.7074	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4037	System Intact	
16WP	06ALL_6	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4037	System Intact	
16WP	06ALL_7	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4037	System Intact	
16WP	06ALL_8	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4037	System Intact	
16WP	06ALL_1	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4024	System Intact	
16WP	06ALL_2	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4024	System Intact	
16WP	06ALL_3	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4024	System Intact	
16WP	06ALL_4	2	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06536	100.4024	System Intact	
17G	06NR_3	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.527	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5243	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5108	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05169	101.5082	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.04221	103.9461	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.04221	103.8149	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.04221	103.804	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.04221	103.6728	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.11451	123.9362	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.11451	123.8956	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.11451	123.7789	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.11451	123.7409	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	00NR_1	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7375	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_2	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7375	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_3	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7348	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_4	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7348	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_5	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7294	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_6	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7294	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_7	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7267	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_8	2	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07264	102.7267	P12:345:AEPW-NWTXARK7:VALIANT7	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8292	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8094	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8094	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8002	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	134.8002	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4385	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4385	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4306	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4293	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4096	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4096	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4005	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4005	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2681	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2668	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2497	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2497	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0565	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0552	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0355	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0355	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0262	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06901	130.0262	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3731	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3665	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3652	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3639	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3625	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.3573	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	128.356	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1098	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1098	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.102	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1007	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.081	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.081	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.0718	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.0718	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9744	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9744	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9652	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9639	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9469	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9469	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9378	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9378	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.561	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.5596	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.5544	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.553	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.5517	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.5504	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.5451	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10137	123.5438	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07052	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.8788	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10385	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7501	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7488	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7132	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06083	111.7119	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.594	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.5927	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05612	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06227	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6516	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05584	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9464	System Intact	
20L	06ALL_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9464	System Intact	
20L	06ALL_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9371	System Intact	
20L	06ALL_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9371	System Intact	
20L	06ALL_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9171	System Intact	
20L	06ALL_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9171	System Intact	
20L	06ALL_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9078	System Intact	
20L	06ALL_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9078	System Intact	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.6492	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.6479	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.6374	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.636	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10394	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3934	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3921	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3842	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3828	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3815	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3802	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.3723	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	109.371	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05338	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	109.1283	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.121	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.121	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.1092	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.1092	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.0712	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09191	109.0698	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.962	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.9607	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05533	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05746	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3906	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3892	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3814	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3801	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3072	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8115	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8102	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05336	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7251	P13:138-24:AEPW:TURK 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.6962	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.6962	P13:138-24:AEPW:TURK 4	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5047	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	107.0012	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07859	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7846	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7832	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7754	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7741	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7379	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7366	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7104	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7091	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3996	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3983	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3681	PARK LANE - SEMINOLE 138KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3312	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3312	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.2946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.2933	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1497	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1484	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1144	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09244	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.036	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.036	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.019	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.989	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.891	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8896	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.8082	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.8069	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0855	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5281	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5268	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.5099	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.5086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5006	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5006	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.4967	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.4915	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.4915	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09181	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.4032	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.4032	P13:138-24:AEPW:TURK 4	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3941	P13:138-24:AEPW:TURK 4	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3941	P13:138-24:AEPW:TURK 4	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.377	P13:138-24:AEPW:TURK 4	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3757	P13:138-24:AEPW:TURK 4	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3666	P13:138-24:AEPW:TURK 4	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3666	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2954	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2954	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2875	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2875	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2744	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2744	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2666	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07897	105.2666	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.194	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.1927	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.1862	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05682	105.1849	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0125	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0125	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0033	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0033	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9863	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.985	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9758	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9758	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8367	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8367	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8275	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8275	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8105	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8092	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07919	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	104.4767	P13:138-24:AEPW:TURK 4	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	104.4675	P13:138-24:AEPW:TURK 4	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	104.4675	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1612	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1599	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1245	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1232	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.9139	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7849	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.7783	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.6945	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.6852	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6777	System Intact	
20L	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6777	System Intact	
20L	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6685	System Intact	
20L	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6685	System Intact	
20L	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6474	System Intact	
20L	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6474	System Intact	
20L	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6382	System Intact	
20L	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05286	103.6382	System Intact	
17G	06ALL_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5628	System Intact	
17G	06ALL_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5628	System Intact	
17G	06ALL_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5536	System Intact	
17G	06ALL_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5536	System Intact	
17G	06ALL_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5351	System Intact	
17G	06ALL_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5351	System Intact	
17G	06ALL_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5259	System Intact	
17G	06ALL_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07963	103.5259	System Intact	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.3946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08716	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1658	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1609	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1596	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08551	103.1592	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1543	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.153	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1517	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1503	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1451	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08386	103.1437	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9152	P13:345-18:AEPW:WELSH 7_#1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08067	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.9017	System Intact	
20WP	06ALL_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.9017	System Intact	
20WP	06ALL_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.8924	System Intact	
20WP	06ALL_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.8924	System Intact	
20WP	06ALL_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.8713	System Intact	
20WP	06ALL_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.8713	System Intact	
20WP	06ALL_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.862	System Intact	
20WP	06ALL_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.0812	102.862	System Intact	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9595	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08204	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8602	System Intact	
20WP	00NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8602	System Intact	
20WP	00NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.851	System Intact	
20WP	00NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.851	System Intact	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8353	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8313	System Intact	
20WP	00NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8313	System Intact	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8221	System Intact	
20WP	00NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8221	System Intact	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08351	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08575	101.8195	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6488	System Intact	
16WP	06ALL_2	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6488	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_3	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6395	System Intact	
16WP	06ALL_4	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6395	System Intact	
16WP	06ALL_5	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6211	System Intact	
16WP	06ALL_6	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6211	System Intact	
16WP	06ALL_7	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6118	System Intact	
16WP	06ALL_8	2	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08498	100.6118	System Intact	
17G	06NR_1	2	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.04221	110.5067	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.04221	110.3758	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.04221	110.3649	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.04221	110.234	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.12053	126.1263	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.12053	126.0993	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.12053	125.9591	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.12053	125.9321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	139.7277	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	139.6105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	139.4192	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	139.3019	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	105.6265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	105.5092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	105.3179	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03619	105.2007	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03617	101.2989	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03617	101.2063	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03617	100.9039	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.03617	100.8113	P12:230:SPS:K02.1.SUNDWN.WOLFFTH	
20WP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.25783	130.0309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.25783	130.0156	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.25783	129.4865	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.25783	129.4729	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.25783	129.1413	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.25783	129.1262	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28069	128.7403	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28069	128.7101	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28069	128.6177	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.25783	128.6004	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28069	128.5876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.25783	128.5869	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28069	128.1888	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.28069	128.1587	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28069	128.0666	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.28069	128.0364	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.25907	121.26	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.25907	121.2515	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.25907	120.7102	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.25907	120.7052	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.25907	120.7018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.25907	120.6968	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.25907	120.1577	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.25907	120.1493	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.26241	112.9846	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.26241	112.9695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26241	112.8277	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26241	112.8126	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.26241	112.446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.26241	112.4326	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26241	112.2897	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.26241	112.2763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.257	110.5014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.257	110.493	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.257	110.3293	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.257	110.3209	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.257	109.9578	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.257	109.9494	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.257	109.7863	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.257	109.778	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.24115	108.3164	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.24115	108.3029	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.24115	107.99	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.24115	107.9765	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.24115	107.7756	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.24115	107.7604	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.24115	107.4506	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	2	TO->FROM	G16_078	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.24115	107.4354	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	2	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @ 1	663.6	0.23353	112.1482	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @ 1	663.6	0.23353	112.1256	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	2	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @ 1	663.6	0.23353	112.0875	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @ 1	663.6	0.23353	112.0663	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	138.5537	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	138.4063	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	138.394	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	138.2466	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	118.5793	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	118.4626	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	118.2722	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	118.1616	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	113.6467	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	113.53	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	113.3396	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.0481	113.2228	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	107.5143	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	107.3669	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	107.3546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.04221	107.2072	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.04221	105.1034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.04221	104.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.04221	104.9473	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_078	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.04221	104.8031	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_078	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0668	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.15339	117.053	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.15339	117.0359	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.15339	116.8229	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.15339	116.8058	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.6144		TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
20L	06NR_6	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.6058		P13:230-345:SPS:TUCO_INT.1
20L	06NR_6	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.6058		P13:230-345:SPS:TUCO_INT.2
20L	06NR_6	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.6058		TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
20L	06NR_6	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.6058		TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
20L	06NR_7	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.5303		P13:230-345:SPS:TUCO_INT.1
20L	06NR_7	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.5303		P13:230-345:SPS:TUCO_INT.2
20L	06NR_7	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.5303		TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
20L	06NR_7	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.10243	102.5303		TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
17G	06NR_5	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.15339	100.065		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_6	3	TO->FROM	G16_078	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.15339	100.0478		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	3	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.05721	115.1415		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	3	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.05721	115.0823		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	3	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.05721	107.055		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	3	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.05721	106.9859		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	3	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95.3	0.0438	100.1611		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	3	FROM->TO	G16_078	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95.3	0.0438	100.1316		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	3	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.05721	106.8546		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	3	FROM->TO	G16_078	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.05721	106.7951		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	3	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.05721	101.8588		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	3	TO->FROM	G16_078	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.05721	101.8002		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04953	132.6199		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04953	132.5865		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04953	132.4765		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04953	132.4431		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04056	128.1379		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04056	128.0809		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_3	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04056	127.9945		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_2	3	TO->FROM	G16_078	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.04056	127.9375		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.8418		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_2	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.8418		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_3	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.8322		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_4	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.8322		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_5	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.8073		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_6	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.8073		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_7	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.7978		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_8	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09755	111.7978		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_1	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5434		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_2	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5422		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_4	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5338		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_5	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5338		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_6	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5338		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_3	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5327		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_7	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5243		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_8	3	TO->FROM	G16_078	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12049	111.5243		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1467		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1467		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1372		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1372		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1123		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1123		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1027		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
20L	06NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09755	125.1027		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8808		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8796		CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12049	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4214	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4202	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12249	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06094	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12556	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08054	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	104.8176	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07072	102.4562	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08362	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4889	System Intact	
20L	06ALL_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4889	System Intact	
20L	06ALL_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4875	System Intact	
20L	06ALL_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4875	System Intact	
20L	06ALL_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4875	System Intact	
20L	06ALL_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4875	System Intact	
20L	06ALL_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4875	System Intact	
20L	06ALL_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04755	101.4875	System Intact	
17G	06NR_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.0861	100.6959	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4037	System Intact	
16WP	06ALL_8	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4037	System Intact	
16WP	06ALL_2	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4024	System Intact	
16WP	06ALL_3	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4024	System Intact	
16WP	06ALL_4	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4024	System Intact	
16WP	06ALL_5	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4024	System Intact	
16WP	06ALL_6	3	FROM->TO	G16_078	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06534	100.4024	System Intact	
17G	06NR_3	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.4552	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.3959	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.05123	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.04221	103.8856	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.04221	103.7544	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.04221	103.7435	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_078	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.04221	103.6124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.11452	123.8315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.11452	123.7908	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.11452	123.6743	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_078	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.11452	123.6364	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	00NR_2	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7315	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_1	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7306	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_3	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7279	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_4	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7279	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_5	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7225	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_6	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7225	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_7	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7198	P12:345:AEPW-NWTXARK7:VALIANT7	
16WP	00NR_8	3	TO->FROM	G16_078	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07266	102.7189	P12:345:AEPW-NWTXARK7:VALIANT7	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.8169	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.8077	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.8077	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.7853	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.7853	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.7774	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	134.7774	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4424	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4424	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4333	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4333	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4109	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4109	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4018	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	131.4018	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2811	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2811	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.272	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2707	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2524	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2524	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2432	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	130.2432	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.057	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.057	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.0478	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.0478	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.0254	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.0254	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.0175	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06903	130.0175	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3744	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3744	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3665	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3665	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3652	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3639	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3573	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	128.3573	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1138	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1138	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.1046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.0823	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.0823	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.0731	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10181	126.0731	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9783	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9783	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9692	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9679	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9495	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9495	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10146	124.9404	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.1014	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07055	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.3284	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.3284	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.3166	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.3166	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.2876	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.2863	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.2744	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	115.2744	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10384	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7426	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7413	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7334	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7334	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7123	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7123	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7031	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06085	111.7031	P12:345:AEPW:OKGE:PITTSB-7:JOHNCO7	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5957	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5944	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5865	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5852	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5628	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5628	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5536	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05615	111.5536	P12:345:AEPW:OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.3983	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.3969	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06229	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6857	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6844	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6765	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6752	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05587	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.0862	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10523	110.0849	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9632	System Intact	
20L	06ALL_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9632	System Intact	
20L	06ALL_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9539	System Intact	
20L	06ALL_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9539	System Intact	
20L	06ALL_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9313	System Intact	
20L	06ALL_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.9313	System Intact	
20L	06ALL_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.922	System Intact	
20L	06ALL_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.04982	109.922	System Intact	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6413	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6294	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10398	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08643	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3947	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3947	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3842	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3842	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3828	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3815	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.3723	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	109.371	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0534	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.1249	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.1249	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	109.1195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0919	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	109.0074	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	109.0061	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05536	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05748	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5824	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5811	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09074	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3864	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3851	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3641	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08363	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08572	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2327	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2314	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08288	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.8238	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.8225	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05339	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7369	P13:138-24:AEPW-TURK 4	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7369	P13:138-24:AEPW-TURK 4	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.729	P13:138-24:AEPW-TURK 4	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7277	P13:138-24:AEPW-TURK 4	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7067	P13:138-24:AEPW-TURK 4	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.7054	P13:138-24:AEPW-TURK 4	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.6976	P13:138-24:AEPW-TURK 4	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.6976	P13:138-24:AEPW-TURK 4	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5456	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5456	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5388	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5375	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5364	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5364	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5296	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.5283	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08493	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3235	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3221	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.3012	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0786	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07863	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09126	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7025	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08425	106.7012	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08133	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3399	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3386	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3203	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.319	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0874	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1676	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1663	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1545	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1545	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1296	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1296	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1165	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09243	106.1165	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0399	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0386	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0111	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	106.0098	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07947	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9469	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9456	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08614	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8396	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8383	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08551	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5308	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5216	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5216	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.5112	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.5112	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5033	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.5033	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.5007	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.5007	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.4994	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.498	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.4928	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08364	105.4928	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.4888	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09185	105.4875	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.4071	P13:138-24:AEPW:TURK	4
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.4071	P13:138-24:AEPW:TURK	4
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.398	P13:138-24:AEPW:TURK	4
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3967	P13:138-24:AEPW:TURK	4
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3784	P13:138-24:AEPW:TURK	4
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3784	P13:138-24:AEPW:TURK	4
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3692	P13:138-24:AEPW:TURK	4
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.3679	P13:138-24:AEPW:TURK	4
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2993	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2993	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2915	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2915	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.277	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2757	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2692	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07898	105.2679	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.2189	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.2189	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.2111	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.2111	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.1954	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.1954	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.1875	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05683	105.1875	CANADIAN RIVER - MUSKOGEE	345KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0164	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0164	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0073	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	105.0059	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9876	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9876	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9785	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08084	104.9772	P13:138-24:AEPW:PIRKEY	4
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8406	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8406	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8301	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8301	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0792	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	104.4794	P13:138-24:AEPW:TURK 4	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	104.4688	P13:138-24:AEPW:TURK 4	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	104.4688	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0801	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.9165	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.9086	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.8994	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7876	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.7037	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.7024	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.6958	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.6865	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6703	System Intact	
20L	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6703	System Intact	
20L	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6611	System Intact	
20L	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6611	System Intact	
20L	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6387	System Intact	
20L	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6387	System Intact	
20L	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6294	System Intact	
20L	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05289	103.6294	System Intact	
17G	06ALL_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5642	System Intact	
17G	06ALL_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5642	System Intact	
17G	06ALL_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5549	System Intact	
17G	06ALL_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5549	System Intact	
17G	06ALL_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5351	System Intact	
17G	06ALL_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5351	System Intact	
17G	06ALL_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5259	System Intact	
17G	06ALL_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.07962	103.5259	System Intact	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.3893	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0872	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1685	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.167	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1657	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08555	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1591	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08389	103.1578	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9192	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9192	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0807	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.903	System Intact	
20WP	06ALL_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.903	System Intact	
20WP	06ALL_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.8937	System Intact	
20WP	06ALL_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.8937	System Intact	
20WP	06ALL_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.8713	System Intact	
20WP	06ALL_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.8713	System Intact	
20WP	06ALL_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.862	System Intact	
20WP	06ALL_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08119	102.862	System Intact	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2247	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2155	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9621	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.945	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08207	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8628	System Intact	
20WP	00NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8628	System Intact	
20WP	00NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8549	System Intact	
20WP	00NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8536	System Intact	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8448	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8435	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.8379	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8356	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08354	101.8343	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8326	System Intact	
20WP	00NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8313	System Intact	
17G	06NR_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8234	System Intact	
20WP	00NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08017	101.8234	System Intact	
17G	06NR_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08578	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6642	System Intact	
16WP	06ALL_3	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6549	System Intact	
16WP	06ALL_4	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6549	System Intact	
16WP	06ALL_5	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6351	System Intact	
16WP	06ALL_6	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6351	System Intact	
16WP	06ALL_7	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6259	System Intact	
16WP	06ALL_8	3	TO->FROM	G16_078	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08497	100.6259	System Intact	
17G	06NR_1	3	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.04221	110.4425	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.04221	110.3117	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.04221	110.3008	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_078	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.04221	110.1699	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.12054	126.0353	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.12054	126.011	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.12054	125.868	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_078	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.12054	125.8411	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	139.6619	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	139.5447	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	139.3534	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	139.2361	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	105.5607	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	105.4435	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	105.2522	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_078	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0362	105.1349	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.25534	121.5757	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.25534	121.5531	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.25534	121.4767	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.25534	121.454	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.20763	117.9407	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.20763	117.74	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.20763	117.7372	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.20692	113.3528	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.20692	113.3512	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.20692	113.1309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.20692	113.1278	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.26167	107.3915	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.26167	107.3668	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.26167	107.2834	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.26167	107.2588	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	104.5022	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_1	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	104.5022	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	104.4555	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	104.4555	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_1	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32472	103.5247	P12:230:SPS:K51.1.OASIS.RSVLT	
20WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32472	103.4752	P12:230:SPS:K51.1.OASIS.RSVLT	
20WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	103.3141	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	103.3141	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	103.266	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	103.266	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	101.6751	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	101.6751	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32472	101.5191	P12:230:SPS:K51.1.OASIS.RSVLT	
20WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32472	101.4696	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_2	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.29625	100.6338	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	100.4427	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_4	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	100.4427	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	100.4328	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_3	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.30026	100.4328	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_5	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	100.1063	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_5	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	100.1063	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_6	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	100.0597	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_6	3	TO->FROM	G16_078	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.32746	100.0597	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_1	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	138.463	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	138.3157	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	138.3034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	138.1561	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	115.5524	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	115.4665	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	115.2455	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	115.1657	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	110.6599	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	110.5739	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	110.3529	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04395	110.267	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	107.4439	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	107.2966	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	107.2843	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_078	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.04221	107.137	P12:345:SPS:J15.1.XRDS.TOLK	
17G	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.2965	132.7203	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.2965	132.7203	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.30758	127.3347	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	09NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.30758	127.3347	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.30758	127.3347	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.30758	127.3347	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.6	0.29629	124.9027	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.6	0.29629	124.9027	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.29962	124.2152	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.29962	124.2152	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.29908	118.8965	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.29908	118.8965	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.3	0.30919	114.4694	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.3	0.30919	114.4694	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.3	0.30919	114.4694	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.3	0.30919	114.4694	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.30063	113.7113	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.30063	113.7113	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.5	0.30059	112.5353	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.5	0.30059	112.5353	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84311	111.0987	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84311	111.0987	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84311	111.0987	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84311	111.0987	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.84747	110.2897	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.84747	110.2897	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.84747	110.2897	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.84747	110.2897	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.84753	106.5361	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.84753	106.5361	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.84753	106.5361	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.84753	106.5361	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.84216	105.7549	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.4	0.84216	105.7549	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.83873	104.1817	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.83873	104.1817	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.2	0.30966	102.3527	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.2	0.30966	102.3527	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.2	0.30966	102.3527	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.2	0.30966	102.3527	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.30748	101.7434	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.30748	101.7434	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.30748	101.7434	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.8	0.30748	101.7434	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.6	0.842	101.7014	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.6	0.842	101.7014	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.30915	101.4349	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.30915	101.4349	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.30915	101.4349	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.30915	101.4349	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_09	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84226	100.2861	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	0	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84226	100.2861	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	117.0037	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	117.0037	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	117.0037	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	117.0037	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	116.9141	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	116.9141	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.3	1	116.8075	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.3	1	116.8075	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.055	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.055	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.055	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.055	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	115.9656	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	115.9656	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	115.9656	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	115.9656	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.6	1	115.7482	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.6	1	115.7482	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	115.7192	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	115.7192	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	115.7169	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	115.7169	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	115.7169	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	115.7169	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.6	0.31901	109.2138	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.6	0.31901	109.2138	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.3	0.31899	107.5668	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.3	0.31899	107.5668	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	0.32343	104.089	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	0.32343	104.089	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	0.32343	104.089	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	0.32343	104.089	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.7638	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_09	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.7638	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.3027	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.3027	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.3027	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_9	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.3027	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.2133	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	103.2133	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	0.31795	100.9647	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	0.31795	100.9647	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.4	0.2965	130.5985	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.4	0.2965	130.5985	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.30758	125.3108	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.30758	125.3108	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.30758	125.3108	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.30758	125.3108	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.5	0.29629	121.6998	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.5	0.29629	121.6998	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.29962	120.8144	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.29962	120.8144	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.29908	111.3634	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.29908	111.3634	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84311	107.7042	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84311	107.7042	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84311	107.7042	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84311	107.7042	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.84747	106.9809	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.84747	106.9809	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.84747	106.9809	P13:115-230:NPPD:SIDNEY 4:KV1A	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.84747	106.9809	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.30919	106.8181	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.30919	106.8181	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.30919	106.8181	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.30919	106.8181	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.30063	105.7937	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.1	0.30063	105.7937	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.3	0.30059	104.9869	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.3	0.30059	104.9869	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.84753	104.5122	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.84753	104.5122	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.84753	104.5122	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_9	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.84753	104.5122	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.4	0.84216	103.6331	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.4	0.84216	103.6331	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.83873	100.7809	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	0	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.8	0.83873	100.7809	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.31777	156.307	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.31777	156.307	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31846	155.1437	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31846	155.1437	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31842	153.6255	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31842	153.6255	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	146.8542	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	146.8542	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	146.5804	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	146.5804	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	146.5804	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	146.5804	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	146.4838	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	146.4838	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	146.2696	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	146.2696	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	146.2131	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	146.2131	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	145.901	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	145.901	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	145.8986	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	145.8986	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	145.8986	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	145.8986	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	145.8563	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	145.8563	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	145.8563	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	145.8563	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	145.7666	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	145.7666	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	145.3394	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	145.3394	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	145.2029	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	145.2029	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	145.2029	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	145.2029	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.9	1	144.6304	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.9	1	144.6304	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	1	144.5807	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	1	144.5807	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	144.5394	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	144.5394	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	144.4468	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	1	144.4468	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	144.229	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	144.229	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	144.229	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	144.229	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	143.9655	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	1	143.9655	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	1	143.8306	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7006	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7006	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7006	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7006	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.23758	143.5721	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.2382	141.2413	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.23755	141.149	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.32198	140.6434	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.32198	140.6434	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.32198	140.6434	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.32198	140.6434	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31901	140.1909	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31901	140.1909	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31899	137.2174	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.31899	137.2174	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32219	135.4976	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32219	135.4976	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32219	135.4976	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32219	135.4976	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32213	135.4888	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32213	135.4888	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32213	135.4888	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32213	135.4888	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.32343	134.888	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.32343	134.888	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.32343	134.888	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.32343	134.888	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.23757	133.736	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23585	132.4457	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23585	132.4457	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.23819	131.5949	P12:115:TSGT:GRANTN87-OGALALA7_2	
20WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.31795	131.4691	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.31795	131.4691	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.23754	131.4153	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23581	129.4011	P12:115:TSGT:GRANTN87-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23581	129.4011	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23614	129.162	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23614	129.162	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.31781	124.6627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.31781	124.6627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.31847	123.7077	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.31847	123.7077	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.31845	121.8418	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.31845	121.8418	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.30037	119.8146	OGALLALA - SIDNEY 230KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.30051	119.7822	OGALLALA - SIDNEY 230KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.24708	119.6954	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.30049	118.5628	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.24743	118.2937	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.24706	118.1056	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20L	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31901	113.8038	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31901	113.8038	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.24707	110.7941	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.24677	110.5739	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.24677	110.5739	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.30309	110.5211	OGALLALA - SIDNEY 230KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.30309	110.5211	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.24743	109.5463	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
16WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.3234	109.2571	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.3234	109.2571	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.3234	109.2571	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.3234	109.2571	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.24705	109.2198	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.24695	108.8753	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.24695	108.8753	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20L	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.3216	108.8155	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.3216	108.8155	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.3216	108.8155	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.3216	108.8155	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.30313	108.7484	OGALLALA - SIDNEY 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.30313	108.7484	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.24676	108.7308	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.24676	108.7308	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17G	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.31906	108.6675	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.31906	108.6675	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.30317	108.2019	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.30317	108.2019	OGALLALA - SIDNEY 230KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.2689	107.3174	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.31897	106.7773	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.31897	106.7773	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.2706	106.6326	GERINGT7 115.00 - MORRILL 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.2706	106.6326	GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26888	106.4691	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26888	106.1958	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32191	106.1746	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32191	106.1746	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32191	106.1746	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.32191	106.1746	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.2706	105.9844	P12:115:NPPD:WAPA3:SNAKECK7:SCOTBLF7:BTB	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.27066	105.8973	GERINGT7 115.00 - MORRILL 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.27066	105.8973	GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.2706	105.8918	MORRILL - SNAKECK7 115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.27058	105.6962	GERINGT7 115.00 - MORRILL 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.27058	105.6962	GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.28236	105.4235	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.28217	105.3499	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.27066	105.3412	P12:115:NPPD:WAPA3:SNAKECK7:SCOTBLF7:BTB	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.27066	105.1559	MORRILL - SNAKECK7 115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.27058	105.048	P12:115:NPPD:WAPA3:SNAKECK7:SCOTBLF7:BTB	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.27058	104.9554	MORRILL - SNAKECK7 115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.28234	104.4819	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26041	104.2917	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26388	104.2095	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	
25SP	00NR_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23758	104.1816	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26014	103.8253	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26408	103.5035	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	
25SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.30051	103.4617	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.5	0.30039	103.4263	OGALLALA - SIDNEY 230KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26386	102.908	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26039	102.8923	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.272	102.4537	LARAMIE RIVER - STEGALL 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26041	102.4398	P12:115:TSGT:COVALT7-SNAKECK7	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26041	102.2546	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26014	102.0644	P12:115:TSGT:COVALT7-SNAKECK7	
20SP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.3005	101.9846	OGALLALA - SIDNEY 230KV CKT 1	
20WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.31793	101.9776	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_09	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.31793	101.9776	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.27203	101.8894	LARAMIE RIVER - STEGALL 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26014	101.8791	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26397	101.8545	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26397	101.8545	P13:115-345:NPPD:KEYSTON3:T1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.27198	101.5173	LARAMIE RIVER - STEGALL 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.471	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20L	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23792	101.4315	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17G	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.30075	101.3703	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26418	101.0536	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	107.9	0.26418	101.0536	P13:115-345:NPPD:KEYSTON3:T1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26039	101.0405	P12:115:TSGT:COVALT7-SNAKECK7	
20SP	00NR_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTNB7-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	100.8753	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26039	100.8553	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23826	100.6037	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26396	100.553	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.26396	100.553	P13:115-345:NPPD:KEYSTON3:T1	
17SP	00NR_10	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.26242	100.5422	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.26242	100.5422	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108	0.30078	100.2749	OGALLALA - SIDNEY 230KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.1591	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31761	100.0471	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.31777	146.7185	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.31777	146.7185	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.31846	144.9344	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.31846	144.9344	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	0.31842	143.6884	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	0.31842	143.6884	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	1	143.2305	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	1	143.2305	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	143.0157	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	143.0157	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	143.0157	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	143.0157	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.82	P13:115-230:NPPD:SIDNEY 4:KV1A
17G	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.82	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
16WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	1	142.674	P13:115-230:NPPD:SIDNEY 4:KV1A
16WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	1	142.674	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	142.5023	P13:115-230:NPPD:SIDNEY 4:KV1A
20WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	142.5023	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
16WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	1	142.3963	P13:115-230:NPPD:SIDNEY 4:KV1A
16WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	1	142.3963	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
16WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	1	142.3963	P13:115-230:NPPD:SIDNEY 4:KV1A
16WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	1	142.3963	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
16WP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	1	142.3065	P13:115-230:NPPD:SIDNEY 4:KV1A
16WP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	1	142.3065	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.2652	P13:115-230:NPPD:SIDNEY 4:KV1A
20WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.2652	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.2652	P13:115-230:NPPD:SIDNEY 4:KV1A
20WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.2652	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20WP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.1754	P13:115-230:NPPD:SIDNEY 4:KV1A
20WP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	142.1754	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20L	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	138.8529	P13:115-230:NPPD:SIDNEY 4:KV1A
20L	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	138.8529	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20L	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	138.8529	P13:115-230:NPPD:SIDNEY 4:KV1A
20L	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	138.8529	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20L	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	138.7986	P13:115-230:NPPD:SIDNEY 4:KV1A
20L	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	138.7986	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20L	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.9	1	138.2025	P13:115-230:NPPD:SIDNEY 4:KV1A
20L	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.9	1	138.2025	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
17G	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	0.31901	136.6476	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	0.31901	136.6476	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	1	134.8381	P13:115-230:NPPD:SIDNEY 4:KV1A
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	1	134.8381	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	1	134.3979	P13:115-230:NPPD:SIDNEY 4:KV1A
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	1	134.3979	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
17SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	1	134.2007	P13:115-230:NPPD:SIDNEY 4:KV1A
17SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	1	134.2007	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
17SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	1	134.2007	P13:115-230:NPPD:SIDNEY 4:KV1A
17SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	1	134.2007	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	1	134.1808	P13:115-230:NPPD:SIDNEY 4:KV1A
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	1	134.1808	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
17SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	133.9226	P13:115-230:NPPD:SIDNEY 4:KV1A
17SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	133.9226	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	133.5824	P13:115-230:NPPD:SIDNEY 4:KV1A
20SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	133.5824	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	133.5185	P13:115-230:NPPD:SIDNEY 4:KV1A
20SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	133.5185	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	133.5185	P13:115-230:NPPD:SIDNEY 4:KV1A
20SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	1	133.5185	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
16WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	0.31899	133.4831	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
16WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.8	0.31899	133.4831	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.23758	133.2938	P12:115:TSGT:GRANTN87-OGALALA7_2
25SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	133.2715	P13:115-230:NPPD:SIDNEY 4:KV1A
25SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	133.2715	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
25SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	133.2715	P13:115-230:NPPD:SIDNEY 4:KV1A
25SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	133.2715	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
25SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	133.1198	P13:115-230:NPPD:SIDNEY 4:KV1A
25SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	1	133.1198	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.2382	131.4548	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17G	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.32343	131.3125	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.32343	131.3125	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.32343	131.3125	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.32343	131.3125	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	0.23755	130.9662	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.32198	130.5918	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.32198	130.5918	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.32198	130.5918	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.32198	130.5918	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.31795	127.6385	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.31795	127.6385	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.32219	125.1393	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.32219	125.1393	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.32219	125.1393	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.32219	125.1393	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.32213	124.7829	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.32213	124.7829	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.32213	124.7829	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.32213	124.7829	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.23757	123.0999	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.23585	121.8128	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.23585	121.8128	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.23819	121.4833	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.23754	121.2288	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.23614	119.1286	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.23614	119.1286	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.23581	119.0089	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.23581	119.0089	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.31781	114.6052	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.31781	114.6052	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.31847	112.9235	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.31847	112.9235	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.31845	111.6022	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.31845	111.6022	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.30037	109.7464	OGALLALA - SIDNEY 230KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.30051	109.1688	OGALLALA - SIDNEY 230KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.24708	109.0808	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.5	0.24743	108.2056	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	0.30049	108.1985	OGALLALA - SIDNEY 230KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	106.7	0.24706	107.7357	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20L	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.31901	107.1755	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108	0.31901	107.1755	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	0.3234	105.7548	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	0.3234	105.7548	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	0.3234	105.7548	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	0.3234	105.7548	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	0.31906	105.1605	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	0.31906	105.1605	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	0.31897	103.1828	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.5	0.31897	103.1828	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	0.32191	102.5834	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	0.32191	102.5834	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	0.32191	102.5834	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	0.32191	102.5834	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.3216	102.3645	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.3216	102.3645	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.3216	102.3645	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.3216	102.3645	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_10	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.30309	100.3665	OGALLALA - SIDNEY 230KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.30309	100.3665	OGALLALA - SIDNEY 230KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2834	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2827	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2717	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2709	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2535	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2527	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.2417	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	133.241	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.6272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.6264	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.6154	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.6146	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.5973	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.5965	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.5855	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	124.5847	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4425	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4417	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4307	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4299	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4126	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4118	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4008	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03305	115.4	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0345	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0345	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0298	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0298	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0132	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.04743	110.0132	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	P12:230:SPS:K74.1.WEELR.SWT(520)	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	P12:230:SPS:K74.1.WEELR.SWT(520)	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4397	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_079	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	119.2	0.03142	106.4366	P12:230:AEPW-SPS:SWEETW6:WHEELER 6	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.31777	159.5704	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.31777	159.5704	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.31846	158.4613	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.31846	158.4613	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.31842	156.8934	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.31842	156.8934	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	1	148.0134	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	1	148.0134	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	1	148.0134	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	1	148.0134	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	1	147.8767	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	1	147.8767	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	1	147.8767	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	1	147.8767	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7378	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7378	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7378	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7378	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4678	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4678	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.332	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.332	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.332	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.332	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.3297	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.3297	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.3297	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.3297	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1964	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1964	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	P13:115-230:NPPD:SIDNEY 4:KV1A	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	1	147.1941	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	P13:115-230:NPPD:SIDNEY 4:KV1A
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	P13:115-230:NPPD:SIDNEY 4:KV1A
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
20L	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.9	1	146.9261	P13:115-230:NPPD:SIDNEY 4:KV1A
20L	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.9	1	146.9261	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.23758	146.9112	P12:115:TSGT:GRANTNB7-OGALALA7_2
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.2382	144.5466	P12:115:TSGT:GRANTNB7-OGALALA7_2
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.23755	144.3591	P12:115:TSGT:GRANTNB7-OGALALA7_2
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.32198	143.8864	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.32198	143.8864	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.32198	143.8864	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.32198	143.8864	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17G	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.31901	141.3563	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.31901	141.3563	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32219	138.8688	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32219	138.8688	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32219	138.8688	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32219	138.8688	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32213	138.86	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32213	138.86	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32213	138.86	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.32213	138.86	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.31899	138.7556	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.31899	138.7556	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.23757	137.1057	P12:115:TSGT:GRANTNB7-OGALALA7_2
17G	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.32343	136.0561	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.32343	136.0561	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17G	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.32343	136.0561	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.32343	136.0561	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23585	135.8197	P12:115:TSGT:GRANTNB7-OGALALA7_2
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23585	135.8197	P12:115:TSGT:GRANTNB7-OGALALA7_2
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23819	134.8486	P12:115:TSGT:GRANTNB7-OGALALA7_2
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.23754	134.7871	P12:115:TSGT:GRANTNB7-OGALALA7_2
20WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.31795	133.0097	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.31795	133.0097	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23581	132.7779	P12:115:TSGT:GRANTNB7-OGALALA7_2
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23581	132.7779	P12:115:TSGT:GRANTNB7-OGALALA7_2
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23614	132.5183	P12:115:TSGT:GRANTNB7-OGALALA7_2
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23614	132.5183	P12:115:TSGT:GRANTNB7-OGALALA7_2
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.31781	127.9292	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.31781	127.9292	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.31847	126.9947	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.31847	126.9947	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.31845	125.2224	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.31845	125.2224	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.30037	123.1792	OGALLALA - SIDNEY 230KV CKT 1
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.30051	123.1653	OGALLALA - SIDNEY 230KV CKT 1
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.24708	123.0786	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.30049	121.9278	OGALLALA - SIDNEY 230KV CKT 1
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.24743	121.6626	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.24706	121.4718	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z
20L	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.31901	116.0973	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20L	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.31901	116.0973	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.24707	114.093	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.24677	113.968	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.24677	113.968	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.30309	113.9119	OGALLALA - SIDNEY 230KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.30309	113.9119	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.24743	112.8406	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.24705	112.612	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.24695	112.177	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.24695	112.177	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.30313	112.1443	OGALLALA - SIDNEY 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.30313	112.1443	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.24676	112.1266	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.24676	112.1266	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.30317	111.5982	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.30317	111.5982	OGALLALA - SIDNEY 230KV CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3216	111.2037	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3216	111.2037	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3216	111.2037	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3216	111.2037	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3234	110.824	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3234	110.824	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3234	110.824	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.3234	110.824	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.2689	110.8159	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.2706	110.0399	GERINGT7 115.00 - MORRILL 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.2706	110.0399	GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26888	109.8708	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.31906	109.7645	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.31906	109.7645	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26888	109.5951	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.2706	109.4854	P12:115:NPPD:WAPA3:SNAKECK7:SCOTBLF7:BTB	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.27066	109.3005	GERINGT7 115.00 - MORRILL 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.27066	109.3005	GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.2706	109.3005	MORRILL - SNAKECK7 115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.27058	109.0968	GERINGT7 115.00 - MORRILL 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.27058	109.0968	GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.28236	108.9255	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.28217	108.7546	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.27066	108.746	P12:115:NPPD:WAPA3:SNAKECK7:SCOTBLF7:BTB	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.27066	108.5612	MORRILL - SNAKECK7 115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.27058	108.4505	P12:115:NPPD:WAPA3:SNAKECK7:SCOTBLF7:BTB	
16WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31897	108.3441	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31897	108.3441	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.27058	108.2658	MORRILL - SNAKECK7 115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.28234	107.8859	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26041	107.7958	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.32191	107.74	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.32191	107.74	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.32191	107.74	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.32191	107.74	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26388	107.6213	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	
25SP	00NR_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	107.4896	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26014	107.2343	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26408	106.9134	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.30051	106.8592	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.30039	106.7319	OGALLALA - SIDNEY 230KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26386	106.3164	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26039	106.3007	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.272	105.8687	LARAMIE RIVER - STEGALL 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26041	105.8549	P12:115:TSGT:COVALT7-SNAKECK7	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26041	105.6701	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26014	105.4783	P12:115:TSGT:COVALT7-SNAKECK7	
20SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.3005	105.3834	OGALLALA - SIDNEY 230KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.27203	105.3037	LARAMIE RIVER - STEGALL 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26014	105.2934	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26397	105.2707	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26397	105.2707	P13:115-345:NPPD:KEYSTON3:T1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.27198	104.9295	LARAMIE RIVER - STEGALL 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8735	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26418	104.4703	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.26418	104.4703	P13:115-345:NPPD:KEYSTON3:T1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26039	104.454	P12:115:TSGT:COVALT7-SNAKECK7	
20SP	00NR_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.2784	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26039	104.2693	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23826	104.0127	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26396	103.9679	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.26396	103.9679	P13:115-345:NPPD:KEYSTON3:T1	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	103.8592	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	103.8592	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
20L	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23792	103.7365	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTNB7-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	06ALL_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.4738	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	00NR_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31761	103.4572	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
20WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.31793	103.4509	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.31793	103.4509	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17G	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.30075	102.5716	OGALLALA - SIDNEY 230KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26254	102.3978	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26254	102.3978	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	102.108	P12:115:TSGT:COVALT7-SNAKECK7	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	102.108	P12:115:TSGT:COVALT7-SNAKECK7	
20SP	06ALL_1	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_2	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_3	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_4	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_5	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_6	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_7	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_8	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.013	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	101.9237	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	101.9237	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.30078	101.8473	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26257	101.5742	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26257	101.5742	LYNN 7 115.00 - SNAKECK7 115.00 115KV CKT 1	
20L	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.236	101.53	P12:115:TSGT:GRANTN87-OGALALA7_2	
20L	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.236	101.53	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26894	101.0399	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26894	101.0399	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.26889	100.9269	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26254	100.4659	P12:115:TSGT:COVALT7-SNAKECK7	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26254	100.4659	P12:115:TSGT:COVALT7-SNAKECK7	
17SP	09ALL_09	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26887	100.3601	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26894	100.3045	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26894	100.3045	OGALLALA (OGALLALA T1) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26254	100.2819	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.26254	100.2819	COVALT 7 115.00 - LYNN 7 115.00 115KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.2	0.27166	100.2607	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	09NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.30332	100.2135	OGALLALA - SIDNEY 230KV CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.30332	100.2135	OGALLALA - SIDNEY 230KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.28432	100.2048	P13:230-345:NPPD:STEGALL3:KV3A	
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.28432	100.2048	STEGALL - STEGALL TRANSFORMER 230KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.1	0.28432	100.2048	STEGALL (SGQ KV3A) 345/230/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	100.0804	P12:115:NPPD:TSGT1:SNAKECK7:W.HORSE7:BTB	
17SP	00NR_9	0	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.26242	100.0804	P12:115:NPPD:TSGT1:SNAKECK7:W.HORSE7:BTB	
17G	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.56248	142.938	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09NR_10	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.61162	137.5459	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09NR_9	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.61162	137.5459	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.3	0.56259	131.0995	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.56665	125.6156	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.4	0.56355	112.8551	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	316.1	0.56882	106.9826	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	317.9	0.56866	106.6606	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_10	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.59831	101.6055	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_9	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.59831	101.6055	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.38839	101.0233	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_11	0	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.38839	101.0233	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04658	123.4659	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04658	123.4659	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.9945	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.9945	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.8466	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.8466	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.8466	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.8466	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.6839	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04541	122.6839	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04875	122.0147	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04875	122.0147	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04638	121.7454	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04638	121.7454	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.3095	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.3095	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.1772	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.1772	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.1772	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.1772	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04621	121.0314	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04621	121.0314	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.0301	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04753	121.0301	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04657	120.7146	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04657	120.7146	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04658	120.5817	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04658	120.5817	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04615	120.4236	HANLON - STORLA 230KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04615	120.4236	HANLON - STORLA 230KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04851	120.3914	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04851	120.3914	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.0464	120.252	P12:230:UMZW:# 737 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.0464	120.252	P12:230:UMZW:# 737 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04632	119.8508	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04632	119.8508	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04635	119.8219	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04635	119.8219	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04834	119.6815	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04834	119.6815	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04557	119.5964	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04557	119.5964	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04539	119.4738	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04539	119.4738	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04543	119.4452	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04543	119.4452	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04572	119.3633	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04572	119.3633	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04869	119.3515	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04869	119.3515	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04875	119.1324	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04875	119.1324	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04828	119.0772	HANLON - STORLA 230KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04828	119.0772	HANLON - STORLA 230KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04519	119.0062	COOPER 345/22.0KV TRANSFORMER CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04519	119.0062	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04853	118.9066	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04853	118.9066	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04846	118.4638	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04846	118.4638	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04849	118.4351	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04849	118.4351	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04752	118.2211	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04752	118.2211	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.0477	118.1224	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.0477	118.1224	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04756	118.0897	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04756	118.0897	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.03892	118.0487	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.03892	118.0487	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04732	117.7755	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04732	117.7755	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.041	116.6412	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.041	116.6412	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04519	116.5701	System Intact	
20SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04519	116.5701	System Intact	
25SP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04732	115.2605	System Intact	
25SP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04732	115.2605	System Intact	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.06397	103.3478	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.06397	103.3478	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04463	102.2818	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04463	102.2818	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05664	101.2322	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05664	101.2322	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04449	100.785	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04449	100.785	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04431	100.1977	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04431	100.1977	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05332	100.0329	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05332	100.0329	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04349	100.0225	RIEL - ROSEAU 500KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04349	100.0225	RIEL - ROSEAU 500KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05332	100.0187	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20WP	00NR_9	0	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05332	100.0187	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04658	120.8561	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04658	120.8561	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.3946	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.3946	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.2498	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.2498	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.2498	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.2498	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.2498	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.0906	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04541	120.0906	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04875	119.5878	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04875	119.5878	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04638	119.172	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04638	119.172	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.8966	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.8966	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.7669	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.7669	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.7669	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.7669	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.6228	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04753	118.6228	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04621	118.4731	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04621	118.4731	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04657	118.1629	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04657	118.1629	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04658	118.0328	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04658	118.0328	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04851	117.9968	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04851	117.9968	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04615	117.8781	HANLON - STORLA 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04615	117.8781	HANLON - STORLA 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.0464	117.7102	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.0464	117.7102	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04632	117.3174	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04632	117.3174	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04834	117.301	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04834	117.301	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04635	117.2891	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04635	117.2891	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04557	117.0684	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04557	117.0684	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04869	116.9776	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04869	116.9776	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04539	116.9484	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04539	116.9484	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04543	116.9203	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04543	116.9203	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04572	116.8402	WATERTN-LNX3345.00 - WATERTOWN 345KV CKT Z	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04572	116.8402	WATERTN-LNX3345.00 - WATERTOWN 345KV CKT Z	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04875	116.7628	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04875	116.7628	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04828	116.7087	HANLON - STORLA 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04828	116.7087	HANLON - STORLA 230KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04853	116.5415	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04853	116.5415	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04519	116.4906	COOPER 345/22.0KV TRANSFORMER CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04519	116.4906	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04846	116.1075	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04846	116.1075	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04849	116.0793	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04849	116.0793	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04752	115.8696	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04752	115.8696	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.0477	115.7728	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.0477	115.7728	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04756	115.7408	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04756	115.7408	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.03892	115.5534	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.03892	115.5534	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04732	115.4329	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04732	115.4329	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.041	114.3211	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.041	114.3211	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04519	114.106	System Intact	
20SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04519	114.106	System Intact	
25SP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04732	112.9679	System Intact	
25SP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04732	112.9679	System Intact	
20WP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.06397	102.0701	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.06397	102.0701	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_10	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.04463	101.0173	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_9	0	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.04463	101.0173	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05953	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_8	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_5	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_6	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_3	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_4	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_1	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_2	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.06237	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_7	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_8	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3486		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3462		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3462		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3392		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3392		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3368		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_079	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.05922	100.3368		CIMARRON - DRAPER LAKE 345KV CKT 1
17SP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.1	0.45608	164.2602		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.1	0.45608	164.2602		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17G	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319	0.45697	162.1192		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319	0.45697	162.1192		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.46033	159.7986		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.46033	159.7986		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.46017	158.3356		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.46017	158.3356		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
16WP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	318.7	0.45677	155.0159		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
16WP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	318.7	0.45677	155.0159		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17G	09NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.49089	154.425		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.49089	154.425		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17G	09NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.49089	154.425		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.49089	154.425		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20WP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.45741	147.2955		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20WP	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.45741	147.2955		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17SP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.48646	146.008		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.48646	146.008		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17SP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.48646	146.008		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.48646	146.008		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48782	135.0473		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48782	135.0473		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48782	135.0473		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48782	135.0473		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48735	133.1175		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48735	133.1175		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48735	133.1175		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48735	133.1175		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
16WP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.49056	114.068		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
16WP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.49056	114.068		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
16WP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.49056	114.068		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
16WP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.49056	114.068		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20WP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48754	109.9707		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20WP	00NR_10	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48754	109.9707		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20WP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48754	109.9707		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20WP	00NR_9	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.48754	109.9707		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17G	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.45733	107.4598		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17G	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.45733	107.4598		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
17SP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.45644	107.0865		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.45644	107.0865		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
25SP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.46044	104.3314		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.46044	104.3314		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20L	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.46311	104.2476		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20L	09ALL_11	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.46311	104.2476		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
16WP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.4568	102.0837		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
16WP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.4568	102.0837		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z
20SP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.46041	101.7616		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
20SP	09ALL_09	0	TO->FROM	G16_079	OGALLALA - SIDNEY 230KV CKT 1	320	0.46041	101.7616		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.1	1	142.7566	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	142.6808	COLTON 7 115.00 - SIDNEY 115KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	142.6808	P12:115:NPPD:WAPA4:SIDNEY 7-B.SPRG57:BTB	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	142.6808	P12:115:UMZB# 119 #: IN NE.	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	142.4978	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	142.4978	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.1	1	142.3965	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	142.2066	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	142.1926	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	142.1525	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	142.1525	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	142.1406	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	141.9897	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	141.9754	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	141.9355	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	141.9355	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	141.9233	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	141.8481	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	141.8459	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	141.8459	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	141.796	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	141.7212	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	141.7189	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	141.7189	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	141.7189	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	141.6316	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	141.2949	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	141.1659	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	141.1659	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	140.9521	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	140.8236	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	140.8236	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	140.7529	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20L	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	140.538	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.2	1	140.29	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	140.2539	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	140.164	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	140.0897	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	140.0897	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.8411	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.8389	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.8389	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.8389	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.8389	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	139.716	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	139.716	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.5726	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	139.5349	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	139.5349	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	139.5018	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	139.4996	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	139.4996	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.483	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	139.483	CHAPPEL - COLTON 7 115.00 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	139.4124	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	139.4102	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	139.4102	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	139.3773	CHAPPEL - COLTON 7 115.00 115KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	138.9808	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.1	1	138.9762	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	138.9039	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	138.9039	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.7668	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	138.565	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	138.565	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	138.5121	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	138.4776	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	138.4409	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	138.4409	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	138.4409	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	138.4409	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.1	1	138.4361	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	138.3535	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	138.2772	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.2297	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.2274	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.2274	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.2274	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.2274	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	138.1401	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	137.9735	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	137.8498	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	134.6188	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	134.6188	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	134.5624	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	134.4973	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	134.288	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	134.2317	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	134.1987	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	134.1987	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	129.5067	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	129.5067	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	129.3666	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	129.1615	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.2	1	129.139	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	129.0958	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	129.0958	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	129.0461	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.9803	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.9803	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	128.8673	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	128.8432	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	128.7757	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	128.7757	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	128.7377	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	128.7377	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.7142	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	128.394	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	128.3819	CHAPPEL - JULESBURG TAP 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	128.3289	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	128.3289	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	128.3058	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	128.2028	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	127.7552	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	114.083	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	114.0681	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	114.0681	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.8764	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.8764	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.1	1	113.8637	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.7892	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	113.4673	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.3513	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.3513	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.2639	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.2639	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.1603	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.1603	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.1	1	113.1436	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	113.12	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	113.1177	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	1	113.1177	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.073	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	113.073	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	112.8251	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	112.8251	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	112.7491	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	112.7377	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.88901	106.9369	BIG SPRINGS - BRULE 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.88901	106.9369	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.88901	106.9369	BIG SPRINGS - BRULE 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.88901	106.9369	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.88901	106.7517	BIG SPRINGS - BRULE 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.88901	106.7517	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.88901	106.7517	BIG SPRINGS - BRULE 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.88901	106.7517	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89058	106.0867	BIG SPRINGS - BRULE 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89058	106.0867	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89058	106.0867	BIG SPRINGS - BRULE 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89058	106.0867	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.89058	105.9022	BIG SPRINGS - BRULE 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.89058	105.9022	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.89058	105.9022	BIG SPRINGS - BRULE 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.89058	105.9022	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.88901	104.6968	BRULE - OGALALA7 115.00 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.88901	104.6968	BRULE - OGALALA7 115.00 115KV CKT 1	
20WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.88901	104.5135	BRULE - OGALALA7 115.00 115KV CKT 1	
20WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.88901	104.5135	BRULE - OGALALA7 115.00 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89058	103.9362	BRULE - OGALALA7 115.00 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89058	103.9362	BRULE - OGALALA7 115.00 115KV CKT 1	
16WP	00NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.89058	103.7536	BRULE - OGALALA7 115.00 115KV CKT 1	
16WP	00NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.89058	103.7536	BRULE - OGALALA7 115.00 115KV CKT 1	
20L	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	101.0746	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	100.9897	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	100.9865	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	100.9865	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09ALL_09	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	112	1	100.8951	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	100.7162	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	100.7162	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09ALL_11	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	100.6295	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.89062	100.0891	BIG SPRINGS - BRULE 115KV CKT 1	
17G	09NR_10	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.89062	100.0891	P12:115-NPPD:WAPA5:B.SPRGS7:OGALALA7:BTB	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.89062	100.0891	BIG SPRINGS - BRULE 115KV CKT 1	
17G	09NR_9	0	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.89062	100.0891	P12:115-NPPD:WAPA5:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_10	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84195	107.4422	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84195	107.4422	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84651	106.7354	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	109	0.84651	106.7354	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.9	0.84657	102.159	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.9	0.84657	102.159	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.9	0.84154	101.3727	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.9	0.84154	101.3727	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.9	0.84154	101.0453	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	2	FROM->TO	G16_079	BIG SPRINGS - BRULE 115KV CKT 1	108.9	0.84154	101.0453	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.9725	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.9725	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	1	116.9296	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	1	116.9296	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	1	116.9296	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.7	1	116.9296	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.2385	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	109	1	116.2385	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	116.0698	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	116.0698	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	115.9803	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	103.7707	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_09	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	103.7707	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	103.7707	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.8	1	103.7707	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	103.7649	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10	2	TO->FROM	G16_079	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	108.9	1	103.7649	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84195	104.0477	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	2	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84195	104.0477	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84651	103.4327	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	2	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	109	0.84651	103.4327	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.9	0.84657	100.1388	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	2	FROM->TO	G16_079	BRULE - OGALALA7 115.00 115KV CKT 1	108.9	0.84657	100.1388	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	146.5397	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	146.5397	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	146.5397	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	1	146.5397	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.4022	P13:115-230:NPPD:SIDNEY 4:KV1A	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	09NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.4022	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	146.0356	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	145.7222	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	145.7222	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	145.5882	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	145.5882	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	144.6714	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	144.6714	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	144.6714	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	144.6714	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	144.6691	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.8	1	144.6691	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	1	144.3646	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	144.1882	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	1	144.1882	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7903	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7903	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7903	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	1	143.7903	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.23157	138.6944	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.23157	137.4232	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.23154	136.2809	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.23235	135.8903	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.23154	135.0098	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.23235	134.5459	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.22947	127.4289	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.22943	124.0191	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.22987	123.3203	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.24054	113.5557	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.24054	112.5984	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.24052	112.0665	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.24105	111.777	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.24052	111.1092	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.24105	110.7674	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.23985	104.7617	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_1	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_2	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTN87-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_3	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_4	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_5	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_6	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_7	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_8	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.28388	102.7454	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.23983	102.6429	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	00NR_10	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.24011	102.2302	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.28401	102.2275	OGALLALA - SIDNEY 230KV CKT 1	
25SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.28388	101.9712	OGALLALA - SIDNEY 230KV CKT 1	
20SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.28387	101.7236	OGALLALA - SIDNEY 230KV CKT 1	
25SP	06ALL_1	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_2	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_3	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_4	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_5	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_6	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_7	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	06ALL_8	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	101.589	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.28401	101.4272	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_1	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0537	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_2	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0537	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_3	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0537	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_4	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0537	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_5	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0451	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_6	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0451	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_7	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0451	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_8	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.2376	101.0451	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.28387	100.9494	OGALLALA - SIDNEY 230KV CKT 1	
17SP	00NR_1	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_2	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_3	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_4	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_5	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_6	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_7	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_8	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.23827	100.8576	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	09ALL_09	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.27933	100.7053	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_11	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.27933	100.6216	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_1	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_1	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_2	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_2	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_3	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_3	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_4	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_4	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_5	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_5	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_6	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_6	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_7	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_7	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_8	2	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_8		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.31762	100.4627	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2	
17SP	09ALL_09		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.27919	100.4576	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.27919	100.3739	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	06ALL_1		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_2		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_3		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_4		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_5		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_6		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_7		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	06ALL_8		2 TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.4	0.23823	100.2774	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17G	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	143.1233	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	143.1233	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	143.1233	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	143.1233	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.4	1	142.9889	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.4	1	142.9889	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	142.5693	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	142.5693	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	142.5693	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.3	1	142.5693	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.4	1	142.3455	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.4	1	142.3455	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.4	1	142.3455	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.4	1	142.3455	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.8	1	142.2794	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.8	1	142.2794	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.8	1	142.1875	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.8	1	142.1875	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	138.4001	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	138.4001	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	138.4001	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.6	1	138.4001	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.7	1	138.2705	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.7	1	138.2705	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	134.5783	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	134.5783	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	134.5783	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	134.5783	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	134.291	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	1	134.291	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	1	134.2668	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	1	134.2668	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	1	134.2668	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	1	134.2668	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	133.9259	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	133.9259	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	133.9259	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	1	133.9259	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.2	1	133.7338	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.2	1	133.7338	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.2	1	133.3642	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	00NR_10		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.2	1	133.3642	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.23157	128.3013	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	09ALL_11		2 FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.23157	127.0195	P12:115:TSGT:GRANTNB7-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	09ALL_09	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.23235	126.1261	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_09	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	0.23154	126.1229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	0.23154	124.8423	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_11	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.23235	124.7705	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_10	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.2	0.22947	116.8347	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_10	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.2	0.22943	113.8713	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_10	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.9	0.22987	113.3264	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	09ALL_09	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.24054	102.8585	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	09ALL_11	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.24054	101.8932	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_09	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	0.24052	101.728	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_09	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.24105	101.7173	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_11	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.4	0.24052	100.7636	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_11	2	FROM->TO	G16_079	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.3	0.24105	100.6993	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17G	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	1	147.7401	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	1	147.6038	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17G	09NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	P13:115-230:NPPD:SIDNEY 4:KV1A	
17G	09NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	1	147.4654	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
17SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.3297	P13:115-230:NPPD:SIDNEY 4:KV1A	
17SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	1	147.3297	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0611	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
16WP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	P13:115-230:NPPD:SIDNEY 4:KV1A	
16WP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	P13:115-230:NPPD:SIDNEY 4:KV1A	
20SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20WP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	P13:115-230:NPPD:SIDNEY 4:KV1A	
20WP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	P13:115-230:NPPD:SIDNEY 4:KV1A	
25SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	1	147.0588	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	
20L	09NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.9	1	146.9238	P13:115-230:NPPD:SIDNEY 4:KV1A	
20L	09NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.9	1	146.9238	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23157	141.944	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23157	140.6752	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23154	139.535	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23235	139.2374	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23154	138.2662	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.23235	137.8955	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.22947	130.7125	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.22943	127.3059	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.22987	126.5002	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.24054	116.8517	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.24054	115.8962	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.24052	115.3652	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.24105	115.0763	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.24052	114.4097	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.24105	114.0685	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.23985	107.9743	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	00NR_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	107.5673	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.28388	105.9692	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.23983	105.9493	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.28401	105.5444	OGALLALA - SIDNEY 230KV CKT 1	
17SP	00NR_10	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.24011	105.5411	OGALALA7 115.00 - OGALALANPPD7115.00 115KV CKT Z	
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.28388	105.1964	OGALLALA - SIDNEY 230KV CKT 1	
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.28387	105.0414	OGALLALA - SIDNEY 230KV CKT 1	
25SP	06ALL_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	06ALL_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23759	104.8994	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.28401	104.7456	OGALLALA - SIDNEY 230KV CKT 1	
20SP	00NR_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.4566	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.4566	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.4566	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.4566	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.448	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.448	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.448	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.2376	104.448	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.28387	104.2687	OGALLALA - SIDNEY 230KV CKT 1	
17SP	00NR_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174	P12:115:TSGT:GRANTN87-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.23827	104.174		P12:115:TSGT:GRANTN87-OGALALA7_2
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27933	104.025		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27933	103.9414		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	00NR_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	00NR_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	00NR_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.31762	103.7799		SIDNEY - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27919	103.7778		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27919	103.6943		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	06ALL_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
17SP	06ALL_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.23823	103.5918		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27932	103.2765		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27932	103.193		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20SP	06ALL_1	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_2	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_3	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_4	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_5	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_6	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_7	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
20SP	06ALL_8	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229		P12:115:TSGT:GRANTN87-OGALALA7_2
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.25757	102.1401		KEYSTONE - OGALALANPPD7115.00 115KV CKT 1
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.25792	101.235		KEYSTONE - OGALALANPPD7115.00 115KV CKT 1
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.25757	101.2159		KEYSTONE - OGALALANPPD7115.00 115KV CKT 1
20SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.25756	101.0331		KEYSTONE - OGALALANPPD7115.00 115KV CKT 1
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27164	100.8659		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27164	100.8659		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 2
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27164	100.5369		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
25SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27164	100.5369		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27164	100.3072		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1
17SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.27164	100.3072		KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 2
17SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.25792	100.269		KEYSTONE - OGALALANPPD7115.00 115KV CKT 1
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.26252	100.1541		GERINGT7 115.00 - MORRILL 115KV CKT 1
25SP	09ALL_09	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.26252	100.1541		GERINGT7 115.00 - SCOTTSBLUFF 115KV CKT 1
20SP	09ALL_11	2	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.4	0.25756	100.1037		KEYSTONE - OGALALANPPD7115.00 115KV CKT 1
17G	09ALL_11	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56353	144.6169		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09ALL_09	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56353	144.5143		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	09NR_10	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.61272	138.7923	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_11	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56363	132.5703	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_09	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56363	132.4677	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_09	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56784	126.792	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_11	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56784	126.7778	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.7	0.56467	114.5987	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_09	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.7	0.56467	114.4996	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_09	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.6	0.57002	108.1827	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_11	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.6	0.57002	108.1685	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_09	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.6	0.56985	107.9717	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_11	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.6	0.56985	107.9576	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_10	2	TO->FROM	G16_079	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.5995	101.7875	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04523	123.3058	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0442	122.8539	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0442	122.6917	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0442	122.6917	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0442	122.5442	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.0474	121.7438	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04511	121.6071	P12:230:UMZW:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04632	121.0435	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04632	120.9114	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04632	120.9114	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04495	120.8954	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04632	120.7647	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04532	120.5945	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04523	120.4154	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04489	120.2894	HANLON - STORLA 230KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04512	120.1179	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04723	120.111	P12:230:UMZW:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04503	119.7028	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04506	119.6888	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04435	119.4656	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04707	119.4176	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04418	119.3436	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04422	119.315	G09_001ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04449	119.2329	WATERTN-LNX3345.00 - WATERTOWN 345KV CKT Z	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04743	119.0886	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.044	118.8919	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.0474	118.8531	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04702	118.8148	HANLON - STORLA 230KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04725	118.6442	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04717	118.2021	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04719	118.1732	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.03869	118.0638	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04631	117.9618	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04648	117.8631	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04634	117.8304	G09_001ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04661	117.6754	WATERTN-LNX3345.00 - WATERTOWN 345KV CKT Z	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04612	117.5461	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04077	116.5551	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.044	116.4636	System Intact	
25SP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04612	115.0226	System Intact	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.06394	104.1248	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04329	102.2913	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.0561	101.5311	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04321	100.826	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05262	100.2727	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04305	100.2541	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05262	100.2443	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20WP	00NR_10	2	FROM->TO	G16_079	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04228	100.0518	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04523	120.7767	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0442	120.334	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0442	120.1751	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0442	120.1751	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0442	120.0306	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.0474	119.379	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04511	119.1128	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04632	118.6923	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04632	118.5628	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04632	118.5628	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04632	118.4189	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04495	118.4157	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04532	118.1209	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04523	117.9455	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04489	117.8221	HANLON - STORLA 230KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04723	117.778	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04512	117.6541	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04503	117.2475	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04506	117.2338	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04707	117.098	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04435	117.0152	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04418	116.8957	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04422	116.8677	G09_001ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04449	116.7873	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04743	116.7754	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.0474	116.5445	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04702	116.5069	HANLON - STORLA 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.044	116.4532	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04725	116.3396	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04717	115.9061	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04719	115.8778	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04631	115.6704	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.03869	115.6421	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04648	115.5736	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04634	115.5416	G09_001ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04661	115.3896	WATERTN-LNX3345.00 - WHITE 345KV CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04612	115.2628	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04077	114.2911	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.044	114.0748	System Intact	
25SP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04612	112.7884	System Intact	
20WP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.06394	102.8823	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.04329	101.0707	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_10	2	TO->FROM	G16_079	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.0561	100.3195	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
17SP	09ALL_09	2	FROM->TO	G16_079	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	0.20219	106.2958	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_11	2	FROM->TO	G16_079	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	0.20219	106.0057	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_09	2	FROM->TO	G16_079	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.7	0.2049	104.9627	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_11	2	FROM->TO	G16_079	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.7	0.2049	104.6498	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_09	2	FROM->TO	G16_079	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.9	0.20469	103.4882	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_11	2	FROM->TO	G16_079	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.9	0.20469	103.174	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_09	2	FROM->TO	G16_079	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.20371	115.6129	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	129.4457	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	129.4275	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	129.2225	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	129.0981	CHAPPEL - JULESBURG TAP 115KV CKT 1	
17SP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	1	129.0981	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	129.0698	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	128.9969	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	128.9969	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.8037	CHAPPEL - JULESBURG TAP 115KV CKT 1	
20SP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.8037	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	128.7757	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.4459	CHAPPEL - JULESBURG TAP 115KV CKT 1	
25SP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	128.4459	CHAPPEL - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	114.0956	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	114.0956	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	114.0429	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	113.9535	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.8016	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
16WP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.8016	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	113.3775	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	113.3775	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	113.3775	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.4	1	113.3775	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	113.3632	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	113.3274	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	113.1861	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	1	113.1861	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.172	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	113.1367	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.0847	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	1	113.0847	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.88938	106.6197	BIG SPRINGS - BRULE 115KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.88938	106.6197	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.88938	106.5244	BIG SPRINGS - BRULE 115KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.88938	106.435	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.8912	105.9857	BIG SPRINGS - BRULE 115KV CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.8912	105.9857	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.8912	105.8962	BIG SPRINGS - BRULE 115KV CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.8912	105.8962	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.88938	104.3835	BRULE - OGALALA7 115.00 115KV CKT 1	
20WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.88938	104.2903	BRULE - OGALALA7 115.00 115KV CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.8912	103.7495	BRULE - OGALALA7 115.00 115KV CKT 1	
16WP	00NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.8912	103.7495	BRULE - OGALALA7 115.00 115KV CKT 1	
20L	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	100.9862	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	1	100.9862	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	100.983	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	100.8937	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09ALL_09	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	100.8066	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
20L	09ALL_11	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	1	100.8066	BIG SPRINGS - JULESBURG TAP 115KV CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.89124	100.6264	BIG SPRINGS - BRULE 115KV CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.89124	100.6264	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
17G	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89124	100.5362	BIG SPRINGS - BRULE 115KV CKT 1	
17G	09NR_10	2	FROM->TO	G16_079	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.6	0.89124	100.4466	P12:115:NPPD:WAPAS:B.SPRGS7:OGALALA7:BTB	
25SP	00NR_1	3	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_2	3	TO->FROM	G16_079	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.23759	104.1672	P12:115:TSGT:GRANTN87-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_2	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_3	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_4	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_5	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_6	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_7	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	06ALL_8	3	TO->FROM	G16_079	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.23758	102.2229	P12:115:TSGT:GRANTN87-OGALALA7_2	
17G	09NR_11	0	FROM->TO	G16_079S	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.14876	103.9573	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	FROM->TO	G16_079S	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.14876	103.9573	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	FROM->TO	G16_079S	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.14876	103.9573	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	FROM->TO	G16_079S	BIG SPRINGS - BRULE 115KV CKT 1	108.7	0.14876	103.9573	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_11	0	FROM->TO	G16_079S	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.14876	101.9334	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	FROM->TO	G16_079S	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.14876	101.9334	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	FROM->TO	G16_079S	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.14876	101.9334	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	FROM->TO	G16_079S	BRULE - OGALALA7 115.00 115KV CKT 1	108.7	0.14876	101.9334	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.12422	111.4268	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.12422	111.4268	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.12422	111.4268	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.12422	111.4268	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.06345	107.046	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.06345	107.046	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12438	106.3543	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12438	106.3543	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12438	106.3543	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12438	106.3543	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12431	106.344	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12431	106.344	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12431	106.344	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.12431	106.344	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.12673	105.8011	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.12673	105.8011	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.12673	105.8011	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.2	0.12673	105.8011	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.06341	104.0015	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.6	0.06341	104.0015	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_11	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.06382	103.7038	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_12	0	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.3	0.06382	103.7038	P12:115:TSGT:GRANTN87-OGALALA7_2	
17G	09NR_11	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.12673	102.1987	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.12673	102.1987	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.12673	102.1987	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	108.1	0.12673	102.1987	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_11	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.12422	101.1851	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_11	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.12422	101.1851	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_12	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.12422	101.1851	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_12	0	FROM->TO	G16_079S	CHAPPEL - JULESBURG TAP 115KV CKT 1	107.6	0.12422	101.1851	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_11	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.12422	114.7237	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_11	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.12422	114.7237	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_12	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.12422	114.7237	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_12	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.12422	114.7237	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.06345	110.4434	P12:115:TSGT:GRANTN87-OGALALA7_2	
25SP	00NR_12	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.06345	110.4434	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_11	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12438	109.7524	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12438	109.7524	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_12	0	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12438	109.7524	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12438	109.7524	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12431	109.742	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12431	109.742	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12431	109.742	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.12431	109.742	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_11	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.06341	107.4017	P12:115:TSGT:GRANTN87-OGALALA7_2	
20SP	00NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.7	0.06341	107.4017	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_11	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.06382	107.1071	P12:115:TSGT:GRANTN87-OGALALA7_2	
17SP	00NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.5	0.06382	107.1071	P12:115:TSGT:GRANTN87-OGALALA7_2	
17G	09NR_11	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.12673	106.9961	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.12673	106.9961	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.12673	106.9961	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.3	0.12673	106.9961	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.56793	143.2109	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.56793	143.1063	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09NR_11	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.61706	137.8183	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09NR_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.61706	137.8183	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.3	0.56804	131.3724	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.3	0.56804	131.2679	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.57108	125.8495	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.57108	125.8371	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.4	0.56808	113.0826	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.4	0.56808	112.9813	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	316.1	0.57324	107.219	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	316.1	0.57324	107.2046	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	317.9	0.57309	106.8956	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	317.9	0.57309	106.8849	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.41033	104.0093	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_10	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.41033	104.0093	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.41033	102.122	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.4	0.41033	102.122	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_11	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.60284	101.8324	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_12	0	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.5	0.60284	101.8324	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04734	123.4839	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04734	123.4839	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	123.0115	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	123.0115	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	122.8636	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	122.8636	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	122.8636	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	122.8636	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	122.7009	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04613	122.7009	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04951	122.0326	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04951	122.0326	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04713	121.7632	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04713	121.7632	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.3269	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.3269	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.1946	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.1946	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.1946	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.1946	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04695	121.049	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04695	121.049	STORLA - WESSINGTON 230KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.0475	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04827	121.0475	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04732	120.7323	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04732	120.7323	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04734	120.5997	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04734	120.5997	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04689	120.4411	HANLON - STORLA 230KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04689	120.4411	HANLON - STORLA 230KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04926	120.4091	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04926	120.4091	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04714	120.2695	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04714	120.2695	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04707	119.8685	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04707	119.8685	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.0471	119.8397	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.0471	119.8397	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04909	119.6992	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04909	119.6992	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04631	119.6139	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04631	119.6139	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04612	119.4911	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04612	119.4911	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04616	119.4625	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04616	119.4625	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04944	119.3692	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04944	119.3692	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04951	119.1502	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04951	119.1502	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04902	119.0946	HANLON - STORLA 230KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04902	119.0946	HANLON - STORLA 230KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04591	119.0232	COOPER 345/22.0KV TRANSFORMER CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04591	119.0232	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04928	118.9242	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04928	118.9242	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04921	118.4814	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04921	118.4814	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04924	118.4527	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04924	118.4527	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04825	118.2382	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04825	118.2382	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04844	118.1398	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04844	118.1398	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04829	118.1068	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04829	118.1068	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.03934	118.0586	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.03934	118.0586	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04804	117.7925	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04804	117.7925	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04143	116.6513	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04143	116.6513	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04591	116.5871	System Intact	
20SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	676.1	0.04591	116.5871	System Intact	
25SP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04804	115.2774	System Intact	
25SP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	680	0.04804	115.2774	System Intact	
16WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	700.7	0.03158	104.6315	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	700.7	0.03158	104.6315	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	700.7	0.03158	104.6315	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	700.7	0.03158	104.6315	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.06476	103.3658	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.06476	103.3658	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04539	102.2991	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04539	102.2991	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05745	101.2506	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.05745	101.2506	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04523	100.8018	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04523	100.8018	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04506	100.2147	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04506	100.2147	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.0541	100.0506	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.0541	100.0506	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04422	100.0391	RIEL - ROSEAU 500KV CKT 1	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.04422	100.0391	RIEL - ROSEAU 500KV CKT 1	
20WP	00NR_11	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.0541	100.0364	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20WP	00NR_12	0	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703	0.0541	100.0364	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04734	120.8737	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04734	120.8737	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.4113	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.4113	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.2665	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.2665	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.2665	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.2665	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.1073	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04613	120.1073	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04951	119.6053	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04951	119.6053	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04713	119.1893	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04713	119.1893	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.9137	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.9137	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.784	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.784	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.784	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.784	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.6398	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04827	118.6398	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04695	118.4902	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04695	118.4902	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04732	118.1803	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04732	118.1803	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04734	118.0504	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04734	118.0504	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04926	118.0141	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04926	118.0141	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04689	117.8952	HANLON - STORLA 230KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04689	117.8952	HANLON - STORLA 230KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04714	117.7273	P12:230:UMZW:# 737 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04714	117.7273	P12:230:UMZW:# 737 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_11	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04707	117.3348	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_12	0	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04707	117.3348	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04909	117.3183	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04909	117.3183	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.0471	117.3065	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.0471	117.3065	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04631	117.0855	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04631	117.0855	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04944	116.9949	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04944	116.9949	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04612	116.9653	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04612	116.9653	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04616	116.9373	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04616	116.9373	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04951	116.7803	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04951	116.7803	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04902	116.7257	HANLON - STORLA 230KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04902	116.7257	HANLON - STORLA 230KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04928	116.5588	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04928	116.5588	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04591	116.5073	COOPER 345/22.0KV TRANSFORMER CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04591	116.5073	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04921	116.1248	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04921	116.1248	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04924	116.0966	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04924	116.0966	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04825	115.8864	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04825	115.8864	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04844	115.7899	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04844	115.7899	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04829	115.7576	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04829	115.7576	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.03934	115.5631	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.03934	115.5631	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04804	115.4495	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04804	115.4495	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04143	114.331	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04143	114.331	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04591	114.1227	System Intact	
20SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	690.7	0.04591	114.1227	System Intact	
25SP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04804	112.9845	System Intact	
25SP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	693.8	0.04804	112.9845	System Intact	
16WP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	710.1	0.03158	103.2464	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	710.1	0.03158	103.2464	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	710.1	0.03158	103.2464	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	710.1	0.03158	103.2464	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.06476	102.0879	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.06476	102.0879	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_11	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.04539	101.0343	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_12	0	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	711.8	0.04539	101.0343	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
17SP	09ALL_10	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26381	106.584	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_10	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26381	106.5542	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26381	106.2757	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26381	106.2459	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.26602	104.9547	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26602	104.9532	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_12	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.26602	104.621	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	09ALL_12	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26602	104.6197	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_10	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26593	103.5207	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_10	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26593	103.4909	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_12	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26593	103.1855	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_12	0	FROM->TO	G16_079S	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.26593	103.1557	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.1	0.58931	171.2612	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.1	0.58931	171.2612	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.1	0.58931	170.9401	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.1	0.58931	170.9401	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319	0.59248	169.2323	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319	0.59248	169.2323	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319	0.59248	168.9165	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319	0.59248	168.9165	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.59316	166.8187	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.59316	166.8187	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.59316	166.4486	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.59316	166.4486	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59304	165.3601	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59304	165.3601	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59304	164.9916	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59304	164.9916	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	318.7	0.59228	162.1357	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	318.7	0.59228	162.1357	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	318.7	0.59228	161.8196	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	318.7	0.59228	161.8196	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.62639	161.2085	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.62639	161.2085	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.62639	161.2085	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.6	0.62639	161.2085	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59027	154.32	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59027	154.32	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59027	153.9497	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.4	0.59027	153.9497	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.61968	152.6732	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.61968	152.6732	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.61968	152.6732	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.61968	152.6732	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62068	141.6902	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62068	141.6902	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62068	141.6902	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62068	141.6902	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62018	139.759	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62018	139.759	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62018	139.759	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.62018	139.759	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.62607	120.8478	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.62607	120.8478	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
16WP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.62607	120.8478	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
16WP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.8	0.62607	120.8478	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.6204	116.6137	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.6204	116.6137	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20WP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.6204	116.6137	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20WP	00NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	320	0.6204	116.6137	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.59597	111.2611	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.59597	111.2611	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.59597	110.8931	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.59597	110.8931	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.61316	103.5028	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_11	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.61316	103.5028	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20L	09NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.61316	103.5028	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20L	09NR_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319.9	0.61316	103.5028	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09ALL_10	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319	0.42413	101.5076	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09ALL_12	0	TO->FROM	G16_079S	OGALLALA - SIDNEY 230KV CKT 1	319	0.42413	101.3284	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12422	111.6369	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12422	111.6369	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12422	111.6369	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12422	111.6369	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.12422	111.5163	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.12422	111.5163	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.12422	111.5163	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.12422	111.5163	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.06345	107.4772	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.06345	107.4772	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.06345	107.4638	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.06345	107.4638	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12438	106.8047	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12438	106.8047	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12438	106.8047	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12438	106.8047	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12431	106.7946	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12431	106.7946	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12431	106.7946	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.12431	106.7946	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12438	106.7031	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12438	106.7031	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12438	106.7031	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
20SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12438	106.7031	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12431	106.6931	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12431	106.6931	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12431	106.6931	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
25SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.12431	106.6931	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
20SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.06341	104.5171	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.7	0.06341	104.5171	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.06341	104.509	P12:115:TSGT:GRANTNB7-OGALALA7_2	
20SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.06341	104.509	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.06382	104.2253	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.06382	104.2253	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.06382	104.1245	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17SP	00NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.06382	104.1245	P12:115:TSGT:GRANTNB7-OGALALA7_2	
17G	09NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.12673	104.1121	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.12673	104.1121	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.12673	104.1121	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.3	0.12673	104.1121	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12673	104.0151	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_11	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12673	104.0151	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
17G	09NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12673	104.0151	KEYSTONE - SIDNEY1-LNX3345.00 345KV CKT 1	
17G	09NR_12	0	FROM->TO	G16_079S	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.5	0.12673	104.0151	SIDNEY - SIDNEY1-LNX3345.00 345KV CKT Z	
25SP	00NR_11	2	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.05608	101.9069	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_12	2	TO->FROM	G16_079S	CHAPPEL - COLTON 7 115.00 115KV CKT 1	108.7	0.05608	101.9069	P12:115:TSGT:GRANTNB7-OGALALA7_2	
25SP	00NR_11	2	TO->FROM	G16_079S	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.05608	105.214	P12:115:TSGT:GRANTNB7-OGALALA7_2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	00NR_12	2	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.05608	105.214	P12:115:TSGT:GRANTNB7-OGALLALA7_2	
20SP	00NR_11	2	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.05604	101.8074	P12:115:TSGT:GRANTNB7-OGALLALA7_2	
20SP	00NR_12	2	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.8	0.05604	101.8074	P12:115:TSGT:GRANTNB7-OGALLALA7_2	
17SP	00NR_11	2	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.05657	100.968	P12:115:TSGT:GRANTNB7-OGALLALA7_2	
17SP	00NR_12	2	TO->FROM	G16_0795	COLTON 7 115.00 - SIDNEY 115KV CKT 1	108.6	0.05657	100.968	P12:115:TSGT:GRANTNB7-OGALLALA7_2	
17G	09ALL_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56944	144.9123	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09ALL_10	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56944	144.8097	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09NR_11	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.61863	139.0878	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17G	09NR_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.61863	139.0878	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56955	132.8675	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
16WP	09ALL_10	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.56955	132.7649	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_10	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.57279	127.0396	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20WP	09ALL_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.57279	127.0255	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.7	0.56969	114.8501	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_10	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.7	0.56969	114.751	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.6	0.57496	108.4314	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	318.6	0.57496	108.4154	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_10	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.6	0.5748	108.2179	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	319.6	0.5748	108.2037	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_11	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.60452	102.0385	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	00NR_12	2	TO->FROM	G16_0795	GERALD GENTLEMAN STATION - OGALLALA 230KV CKT 1	320	0.60452	102.0385	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04569	123.3167	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04569	123.3167	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.8645	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.8645	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.7023	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.7023	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.7023	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.7023	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.7023	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.5548	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04465	122.5548	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04785	121.7544	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04785	121.7544	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04556	121.6177	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04556	121.6177	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	121.054	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	121.054	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	120.922	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	120.922	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	120.922	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	120.922	ROSEAU - ROSEAUM 2 500.00 500KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0454	120.9061	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0454	120.9061	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	120.7752	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04677	120.7752	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04577	120.6051	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04577	120.6051	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04569	120.4263	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04569	120.4263	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04535	120.3003	HANLON - STORLA 230KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04535	120.3003	HANLON - STORLA 230KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04558	120.1287	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04558	120.1287	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_11	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04769	120.1218	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_12	2	FROM->TO	G16_0795	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04769	120.1218	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04549	119.7137	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04549	119.7137	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04552	119.6996	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04552	119.6996	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0448	119.4762	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.0448	119.4762	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04753	119.4284	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04753	119.4284	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04464	119.3544	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04464	119.3544	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04467	119.3257	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04467	119.3257	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04494	119.2436	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04494	119.2436	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04788	119.0992	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04788	119.0992	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04445	118.9025	COOPER 345/22.0KV TRANSFORMER CKT 1	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04445	118.9025	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04785	118.8637	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04785	118.8637	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04747	118.8254	HANLON - STORLA 230KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04747	118.8254	HANLON - STORLA 230KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.0477	118.6547	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.0477	118.6547	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04762	118.2127	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04762	118.2127	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04765	118.184	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04765	118.184	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.03906	118.0725	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.03906	118.0725	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04676	117.9724	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04676	117.9724	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04693	117.8736	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04693	117.8736	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.0468	117.8412	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.0468	117.8412	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04707	117.6862	WATERTN-LNX3345.00 - WATERTOWN 345KV CKT Z	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04707	117.6862	WATERTN-LNX3345.00 - WATERTOWN 345KV CKT Z	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04658	117.5569	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04658	117.5569	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04114	116.5638	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04114	116.5638	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04445	116.4743	System Intact	
20SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	678.1	0.04445	116.4743	System Intact	
25SP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04658	115.0334	System Intact	
25SP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	681.5	0.04658	115.0334	System Intact	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.06469	104.1419	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.06469	104.1419	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04375	102.3018	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04375	102.3018	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05677	101.5463	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05677	101.5463	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04367	100.8365	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04367	100.8365	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05323	100.2866	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05323	100.2866	G16-074-TAP 345.00 - GERALD GENTLEMAN STATION 345KV CKT 2	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04351	100.2645	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04351	100.2645	STORLA - WESSINGTON 230KV CKT 1	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05323	100.2581	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.05323	100.2581	G16-074-TAP 345.00 - SWEETWATER 345KV CKT 2	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04273	100.0621	RIEL - ROSEAU 500KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04273	100.0621	RIEL - ROSEAU 500KV CKT 1	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04273	100.0052	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04273	100.0052	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20WP	00NR_11	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04273	100.0052	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20WP	00NR_12	2	FROM->TO	G16_079S	GR ISLD-LNX3345.00 - GRAND ISLAND 345KV CKT Z	703.8	0.04273	100.0052	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04569	120.7873	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04569	120.7873	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.3444	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.3444	RIEL - ROSEAU 500KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.1855	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.1855	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.1855	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.1855	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.041	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04465	120.041	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04785	119.3894	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04785	119.3894	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04556	119.1232	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04556	119.1232	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.7026	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.7026	RIEL - ROSEAU 500KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.5731	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.5731	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.5731	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.5731	ROSEAU - ROSEAU 2 500.00 500KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.4292	FORBES - ROSEAU 500KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04677	118.4292	FORBES - ROSEAU 500KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0454	118.4261	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0454	118.4261	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04577	118.1313	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04577	118.1313	P12:345:OPPD-MEC:S3451-RAUN	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04569	117.9561	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04569	117.9561	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04535	117.8327	HANLON - STORLA 230KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04535	117.8327	HANLON - STORLA 230KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04769	117.7885	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04769	117.7885	P12:230:UMZB:# 116 #: ST IN SD. WSG-ST-VH	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04558	117.6647	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04558	117.6647	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04549	117.2582	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04549	117.2582	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04552	117.2444	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04552	117.2444	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04753	117.1086	STORLA - WESSINGTON 230KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04753	117.1086	STORLA - WESSINGTON 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0448	117.0256	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.0448	117.0256	SPLIT ROCK - WHITE 345KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04464	116.9063	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_079S	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04464	116.9063	BUFFALO - JAMESTOWN 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04467	116.8781	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04467	116.8781	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04494	116.7977	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
20SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04494	116.7977	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04788	116.7857	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04788	116.7857	P12:345:OPPD-MEC:S3451-RAUN	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04785	116.5548	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04785	116.5548	FT RANDAL - MEADOWGROVE4230.00 230KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04747	116.5173	HANLON - STORLA 230KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04747	116.5173	HANLON - STORLA 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04445	116.4636	COOPER 345/22.0KV TRANSFORMER CKT 1	
20SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04445	116.4636	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.0477	116.3499	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.0477	116.3499	P12:230:UMZW:# 737 #: FT IN SD. FT-LET LINE FAULT	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04762	115.9164	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04762	115.9164	P12:230:UMZW:# 739 #: FT IN SD. FT-LP LINE FAULT	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04765	115.8883	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04765	115.8883	P12:230:UMZW:# 738 #: FT IN SD. FT-FR LINE FAULT	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04676	115.6808	BUFFALO - JAMESTOWN 345KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04676	115.6808	BUFFALO - JAMESTOWN 345KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.03906	115.6507	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.03906	115.6507	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04693	115.584	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04693	115.584	SPLIT ROCK - WHITE 345KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.0468	115.5522	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.0468	115.5522	G09_0011ST 345.00 - WATERTOWN 345KV CKT 1	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04707	115.4002	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04707	115.4002	P12:345:UMZW:# 1747 #: WT2 IN SD. WT2-WHT LINE FAULT	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04658	115.2734	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04658	115.2734	COOPER 345/22.0KV TRANSFORMER CKT 1	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04114	114.2996	NUNDRWD - WAYSIDE 230KV CKT 1	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04114	114.2996	NUNDRWD - WAYSIDE 230KV CKT 1	
20SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04445	114.0852	System Intact	
20SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	692.3	0.04445	114.0852	System Intact	
25SP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04658	112.799	System Intact	
25SP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	695	0.04658	112.799	System Intact	
20WP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.06469	102.8991	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.06469	102.8991	GRAND ISLAND - SWEETWATER 345KV CKT 1	
20WP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.04375	101.081	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.04375	101.081	KELLY - MEADOWGROVE4230.00 230KV CKT 1	
20WP	00NR_11	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.05677	100.3346	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
20WP	00NR_12	2	TO->FROM	G16_0795	GR ISLD-LNX3345.00 - HOLT.CO3 345.00 345KV CKT 1	712.3	0.05677	100.3346	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
17SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	0.29266	109.914	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	2	FROM->TO	G16_0795	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	400	0.29266	109.6253	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.7	0.29532	108.5822	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_12	2	FROM->TO	G16_0795	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.7	0.29532	108.2692	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.9	0.29511	107.1058	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
20SP	09ALL_12	2	FROM->TO	G16_0795	KEYSTONE - OGALALANPPD7115.00 115KV CKT 1	399.9	0.29511	106.793	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.29417	119.9215	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29417	119.856	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.29417	119.576	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
17SP	09ALL_12	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29417	119.5107	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29668	118.2062	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_10	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29668	118.1466	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	
25SP	09ALL_12	2	FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29668	117.8339	GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29668	117.7744		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20SP	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29658	116.5007		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20SP	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29658	116.471		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20SP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29658	116.1285		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20SP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29658	116.0987		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.8	0.2954	111.824		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.2954	111.7609		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.8	0.2954	111.4852		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.9	0.2954	111.4222		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
16WP	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.8	0.29521	108.1869		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
16WP	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.8	0.29521	108.1571		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
16WP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.8	0.29521	107.8481		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
16WP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.8	0.29521	107.8184		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09NR_11		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.5	0.31654	106.2731		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09NR_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.5	0.31654	106.2731		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09NR_11		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.31654	106.115		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17G	09NR_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.31654	106.115		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	00NR_11		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.31672	105.4986		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	00NR_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.31672	105.4986		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	00NR_11		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.31672	105.4688		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
17SP	00NR_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.31672	105.4688		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20WP	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.6	0.29428	103.2617		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20WP	09ALL_10		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29428	103.1686		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20WP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	335.6	0.29428	102.889		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
20WP	09ALL_12		2 FROM->TO	G16_0795	KEYSTONE (KEYSTONE T1) 345/115/13.8KV TRANSFORMER CKT 1	336	0.29428	102.7963		GERALD GENTLEMAN STATION - KEYSTONE 345KV CKT 1
25SP	00NR_11		2 FROM->TO	G16_0795	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.05608	102.3907		P12-115:TSGT:GRANTNB7-OGALALA7_2
25SP	00NR_12		2 FROM->TO	G16_0795	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.8	0.05608	102.3907		P12-115:TSGT:GRANTNB7-OGALALA7_2
25SP	00NR_11		2 FROM->TO	G16_0795	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.05608	102.3886		P12-115:TSGT:GRANTNB7-OGALALA7_2
25SP	00NR_12		2 FROM->TO	G16_0795	SIDNEY (SD KV1A) 230/115/13.8KV TRANSFORMER CKT 1	111.9	0.05608	102.3886		P12-115:TSGT:GRANTNB7-OGALALA7_2
17G	06NR_2		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	127.9686		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_1		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	127.9027		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_3		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	127.9005		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_4		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	127.8323		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_2		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.29248	118.9203		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.29248	118.8816		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.29248	118.8566		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.29248	118.818		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_2		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.31839	106.0873		P12-345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_1		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.31839	106.031		P12-345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_3		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.31839	106.0271		P12-345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_4		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	482.9	0.31839	105.9708		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_6		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	100.7946		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_5		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	100.7287		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_7		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	100.7264		P12-345:SPS:J15.1.XRDS.TOLK
17G	06NR_8		0 TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.31114	100.6605		P12-345:SPS:J15.1.XRDS.TOLK
20L	06NR_1		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5609		CIMARRON - MINCO 345KV CKT 1
20L	06NR_2		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5609		CIMARRON - MINCO 345KV CKT 1
20L	06NR_3		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5506		CIMARRON - MINCO 345KV CKT 1
20L	06NR_4		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5506		CIMARRON - MINCO 345KV CKT 1
20L	06NR_5		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5335		CIMARRON - MINCO 345KV CKT 1
20L	06NR_6		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5335		CIMARRON - MINCO 345KV CKT 1
20L	06NR_7		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5233		CIMARRON - MINCO 345KV CKT 1
20L	06NR_8		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	119.5233		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3634		CIMARRON - MINCO 345KV CKT 1
17G	06NR_2		0 TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3634		CIMARRON - MINCO 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3497	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	115.3497	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.3752	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03877	112.3752	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.05052	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	122.1375	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	122.124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	121.734	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	121.7206	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	115.0004	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	114.9951	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	114.607	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	114.599	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.7394	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.7341	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.7073	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.702	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.2979	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.2925	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.2658	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.08807	106.2604	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	103.8456	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	103.8321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	103.442	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14486	103.4286	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	103.3048	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	103.3021	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	103.0116	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	103.0089	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	102.8448	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	102.8421	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	102.5516	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.12055	102.5489	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	100.6079	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	100.6026	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	100.2119	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_085	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.09294	100.2065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_085	CARGILL SUB - DEAF SMITH REC.#24 115KV CKT 1	95.6	0.03821	121.3082	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	0	TO->FROM	G16_085	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.03821	121.2493	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_085	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.03821	113.2822	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_085	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.03821	113.2135	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	0	TO->FROM	G16_085	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.03821	100.5073	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	0	TO->FROM	G16_085	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.03821	100.4387	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.03821	111.6091	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.03821	111.5496	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.03821	103.4897	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.03821	103.4202	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09931	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.5039	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.5039	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.5018	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.5018	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.4975	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.4975	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.4932	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	130.4932	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.707	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.707	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.7048	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.7027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.6984	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.6984	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.6941	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	128.6941	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9753	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9753	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9711	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9668	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9668	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9625	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07682	126.9625	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.9173	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.9173	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.9151	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.9151	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.913	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.913	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.9109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09137	125.9109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7355	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7355	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7291	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7291	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7248	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	124.7248	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.648	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.648	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08672	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07742	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3373	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10065	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8066	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3138	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3138	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3095	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3095	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3073	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3073	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3031	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07411	109.3031	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0998	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07172	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07181	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20SP	00NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09795	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09797	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07003	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9681	System Intact	
17G	06NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.966	System Intact	
17G	06NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.966	System Intact	
17G	06NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9639	System Intact	
17G	06NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06583	100.9639	System Intact	
17SP	00NR_7	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10711	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3421	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.34	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09499	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.1679	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.1636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.123	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07099	129.1209	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.8858	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.8836	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.8643	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.8622	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.8172	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.8151	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.7958	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.7937	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.5662	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.5641	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.5448	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.5426	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.4977	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.4955	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.4763	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.06683	106.4741	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	101.11	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	101.1079	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	101.0438	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	101.0416	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	101.0074	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	101.0053	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.9412	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.9391	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.8139	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.8118	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.7477	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.7455	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.7113	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.7092	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.6451	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.04837	100.643	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2834	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2827	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2717	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2709	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2535	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2527	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.2417	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	133.241	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.4994	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.4986	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.4718	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.29459	126.4711	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.6272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.6264	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.6154	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.6146	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.5973	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.5965	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.5855	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	124.5847	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.6072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.6064	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.5521	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.25416	120.5513	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0922	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0914	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0623	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0615	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0489	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0481	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.0198	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	119.019	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4425	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4417	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4307	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4299	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4126	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4118	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4008	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.27519	115.4	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22642	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9768	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.976	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9469	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9461	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9336	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9328	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9045	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	110.9037	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21959	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0657	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0649	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0547	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0547	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0507	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0507	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0405	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21151	103.0405	P12:230:SPS:K53.1.NICHLS.GRAPE	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2914	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2906	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2615	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2607	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2481	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2473	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.219	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.22141	102.2182	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21248	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
20L	06NR_5	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17728	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.8509	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.8501	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.8297	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.7927	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.7919	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.3763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.3755	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.3559	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.3551	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.3181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.3173	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.30648	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.4416	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.3959	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.3951	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	147.3747	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	144.0163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	144.0163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	143.9958	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	143.995	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	143.9494	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	143.9486	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	143.9282	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.29487	143.9282	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4996	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.498	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4697	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4681	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4446	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4438	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4147	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	142.4139	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.24	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.2384	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.2101	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.2085	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.185	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.1842	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.1551	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.25328	139.1543	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.7016	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.7008	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.7001	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.6993	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.671	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	137.6702	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.8537	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.8529	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.8239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.8231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.787	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.7862	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.7571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	135.7563	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.4188	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.418	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.4173	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.4165	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.3882	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24926	134.3874	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.7546	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.7538	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.7247	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.7239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.6877	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.687	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.6714	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.6706	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.6579	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	132.6571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.6415	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.6408	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.6046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.6039	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.5748	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24473	132.574	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.7871	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.7871	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.7698	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.769	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.7383	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.7383	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.721	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.27485	130.7202	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.6028	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.6021	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.573	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.5722	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.536	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.5352	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.5061	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.21662	129.5054	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.7304	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.7304	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.7194	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.7186	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.6989	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.6982	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.6871	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	128.6871	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4981	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4973	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.48	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4792	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4415	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4407	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4234	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.27276	127.4226	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.6212	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.6204	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.5613	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24512	126.5605	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5859	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5851	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5772	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5764	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.574	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5653	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	125.5645	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.523	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.5222	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.5026	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.5018	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1886	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1878	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1681	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1673	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24344	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4666	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4658	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4579	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4571	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4547	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4539	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23533	121.4452	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24256	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.7164	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.7156	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.703	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.24458	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1827	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1819	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1277	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21855	120.1269	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.7446	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23941	119.7438	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4601	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4593	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4183	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4175	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4034	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.4026	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.3342	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.3334	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2924	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2917	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2775	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2767	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2418	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2411	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.2001	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.1993	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.1852	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	119.1844	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.1054	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.1046	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.0912	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.0904	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.9805	P12:138:WFEC:MSL03	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.9797	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.9435	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.9427	P12:138:WFEC:MSL03	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.927	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23554	118.927	P12:138:WFEC:MSL03	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.9239	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.9231	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.921	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.9202	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.9105	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.9097	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.9069	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.9061	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.8853	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.8853	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.8809	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.8809	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.8719	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23662	118.8719	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.8668	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.2181	118.8668	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7802	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7795	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7653	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7653	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7385	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7377	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7236	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23222	118.7228	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1765	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1568	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1561	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1459	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1459	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1262	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	116.1254	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.5821	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.5805	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.5719	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.5711	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.568	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.5672	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.5586	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21993	115.557	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6813	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6805	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6727	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6719	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6672	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6664	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6585	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.6578	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5818	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5684	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5511	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23763	114.5378	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.5055	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.5047	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.4968	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.496	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.4913	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.4905	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.4827	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21948	114.4819	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0851	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0851	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0709	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0701	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0441	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0441	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.03	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22671	114.0292	System Intact	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.8801	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.8786	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.8518	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.8378	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.837	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.8337	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.833	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.807	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.22471	113.8062	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3047	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21174	113.3039	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23161	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.5982	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.5974	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.562	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.5612	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23026	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4694	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4686	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.3333	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.3333	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.3168	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.3168	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.3019	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.3011	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2829	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2829	P12:138:WFEC:MSL01	
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.2673	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.2673	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.2524	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21127	112.2524	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.7117	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.696	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.6613	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.6613	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.6456	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22333	111.6456	BRIDGEGR 138.00 - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.6348	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.6341	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.6152	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.6144	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.6042	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.6042	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.5845	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	111.5838	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.4876	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.4869	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.4837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.4829	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.468	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.468	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.4641	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	111.4633	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	111.0081	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	111.0073	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	110.9908	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	110.9901	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	110.9735	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	110.9728	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	110.9555	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20224	110.9555	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.9416	P12:138:WFEC:MSLO3	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.9408	P12:138:WFEC:MSLO3	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.918	P12:138:WFEC:MSLO3	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.9173	P12:138:WFEC:MSLO3	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.8992	P12:138:WFEC:MSLO3	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.8984	P12:138:WFEC:MSLO3	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.8756	P12:138:WFEC:MSLO3	
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.8752	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20391	110.8748	P12:138:WFEC:MSLO3	
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.8744	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.8485	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.8477	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.8194	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.8186	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.7927	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22466	110.7919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.3444	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.3436	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.3248	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.324	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.3138	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.3138	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.2941	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20281	110.2933	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.7953	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.7945	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.7818	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.7818	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.751	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.751	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.7383	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1184.9	0.20279	109.7383	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.4726	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.4718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.4514	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.4506	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.4051	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.4043	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.3839	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	108.3839	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1948	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1932	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1924	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1909	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1681	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1673	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1657	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22205	108.1649	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4277	P12:138:WFEC:MSL03	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4262	P12:138:WFEC:MSL03	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4262	P12:138:WFEC:MSL03	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4254	P12:138:WFEC:MSL03	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.4176	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.4168	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.4137	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.4129	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4042	P12:138:WFEC:MSL03	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4034	P12:138:WFEC:MSL03	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4026	P12:138:WFEC:MSL03	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20036	107.4018	P12:138:WFEC:MSL03	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.398	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.398	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.3941	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	107.3933	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3412	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3412	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3365	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3365	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3341	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3341	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
17G	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3293	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	107.3293	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.2398	System Intact
20SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.239	System Intact
20SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.2241	System Intact
20SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.2241	System Intact
20SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.1902	System Intact
20SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.1902	System Intact
20SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.1753	System Intact
20SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21805	107.1745	System Intact
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19854	106.8646	GRACEMONT (GRCMNT1) 345/138/13.8KV TRANSFORMER CKT 1
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19854	106.8638	GRACEMONT (GRCMNT1) 345/138/13.8KV TRANSFORMER CKT 1
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19854	106.8245	GRACEMONT (GRCMNT1) 345/138/13.8KV TRANSFORMER CKT 1
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19854	106.8237	GRACEMONT (GRCMNT1) 345/138/13.8KV TRANSFORMER CKT 1
20L	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.745	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.7442	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.7183	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.7175	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.6892	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.6884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6803	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6795	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6724	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6716	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6668	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.666	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.6617	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193	0.20164	106.6609	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6589	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23049	106.6581	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.3477	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.3462	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.3305	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20144	106.3289	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1363	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1355	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1324	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1316	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.1181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.1173	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.1127	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20076	106.112	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.0945	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.0937	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0918	G16-063-TAP 345.00 - HUGO 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.091	G16-063-TAP 345.00 - HUGO 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.0764	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.0756	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0682	G16-063-TAP 345.00 - HUGO 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0682	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.0528	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19957	106.0521	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0509	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0501	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0281	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	106.0273	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.8228	P12:138:WFEC:MSL03	
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.822	P12:138:WFEC:MSL03	
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.7992	P12:138:WFEC:MSL03	
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.7984	P12:138:WFEC:MSL03	
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.7693	P12:138:WFEC:MSL03	
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.7693	P12:138:WFEC:MSL03	
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.7458	P12:138:WFEC:MSL03	
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19646	105.745	P12:138:WFEC:MSL03	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.7144	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.7137	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.7063	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.7055	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.6932	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.6924	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.6827	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.6827	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.6791	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.6783	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.6654	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.6647	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.6571	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19704	105.6563	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.6427	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1964	105.6419	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.5097	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.5089	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.4892	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.4885	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.4704	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.4696	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.45	CENTENNIAL - PAOLA 161KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.19631	105.4492	CENTENNIAL - PAOLA 161KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.8321	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.8314	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.8109	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.8102	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.7646	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.7638	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.9	0.30432	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.4499	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.4491	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.4318	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.431	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.4051	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.4043	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.387	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19552	104.3863	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.8062	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.8054	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.8054	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.8046	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.7834	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.7826	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.7826	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1194.1	0.19617	101.7818	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6143	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6143	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6095	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20482	101.6095	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.1107	System Intact	
17G	06ALL_1	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.1099	System Intact	
17G	06ALL_3	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.0879	System Intact	
17G	06ALL_4	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.0879	System Intact	
17G	06ALL_6	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.0714	System Intact	
17G	06ALL_5	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.0706	System Intact	
17G	06ALL_7	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.0494	System Intact	
17G	06ALL_8	0	TO->FROM	G16_085	CIMARRON - MINCO 345KV CKT 1	1193.4	0.1891	101.0486	System Intact	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.04077	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	132.7577	P12:345-AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03074	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	127.5431	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03522	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0352	122.057	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0297	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	118.0246	P12:138:AEPW:HOB-JCT4:ELKCTY-4	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	118.0008	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	117.9957	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.0309	117.9906	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4865	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03093	117.4814	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0725	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0674	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03009	115.0674	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8117	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04325	114.8055	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6601	P12:138:WFEC:MSL14	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6601	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6601	P12:138:WFEC:MSL14	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	P12:138:WFEC:MSL14	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	P12:138:WFEC:MSL14	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	P12:138:WFEC:MSL14	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.655	P12:138:WFEC:MSL14	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6499	P12:138:WFEC:MSL14	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6499	MOREWOOD SW - NINE MILE 138KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03062	114.6499	P12:138:WFEC:MSL14	
16WP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4113	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	113.4063	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1808	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1808	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1746	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1746	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1684	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1684	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1622	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03874	113.1622	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.832	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	110.8258	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5126	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	109.5002	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7976	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	106.7914	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2296	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03746	103.2172	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2862	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2862	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2812	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2812	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2763	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2763	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.03879	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04143	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.0302	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_085	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03281	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	109.7352	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_3	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	109.729	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_1	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	109.7247	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_4	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	109.719	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_2	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.48286	108.7732	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.48286	108.7622	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.48286	108.7145	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.48286	108.7036	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_6	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	108.6572	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_7	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	108.651	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_5	0	TO->FROM	G16_085	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.43283	108.6467	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_5	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.3	0.2856	223.9359	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.3	0.2856	223.9308	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.3	0.2856	223.8	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.3	0.2856	223.7966	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	220.6334	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	220.6042	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	220.5168	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	220.4893	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	217.4644	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_6	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	217.437	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	217.3495	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	547	0.24929	217.3203	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	197.0017	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	196.9754	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	196.8967	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	196.872	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	194.1488	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	194.1241	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	194.0438	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	607.6	0.29707	194.0191	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	170.1968	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	170.1289	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	170.0872	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	170.0209	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	168.4334	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	168.3655	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	168.3239	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	608	0.19796	168.256	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	161.0924	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	161.0631	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	160.9806	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	160.9514	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	157.9095	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	157.882	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	157.7978	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	545.5	0.31983	157.7702	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	117.6952	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	117.666	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	117.6128	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	117.5853	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	114.4186	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	114.3911	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	114.3379	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.18746	114.3087	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.10384	101.0742	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.10384	100.9964	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.10384	100.986	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.10384	100.9099	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.17992	108.2192	System Intact	
17G	06ALL_4	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.17992	108.1982	System Intact	
17G	06ALL_2	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.17992	108.1681	System Intact	
17G	06ALL_1	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.17992	108.1471	System Intact	
20L	06ALL_3	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.15593	105.6575	System Intact	
20L	06ALL_2	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.15593	105.6089	System Intact	
20L	06ALL_4	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.15593	105.5722	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_1	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.2	0.15593	105.5236	System Intact	
17G	06NR_3	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.27104	104.6074	System Intact	
17G	06NR_2	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.27104	104.5616	System Intact	
17G	06NR_4	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.27104	104.4661	System Intact	
17G	06NR_1	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.27104	104.4203	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17684	103.9172	System Intact	
20SP	06ALL_2	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17684	103.8687	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17684	103.832	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17684	103.7834	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.1823	100.7241	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.1823	100.7031	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.1823	100.673	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.1823	100.652	System Intact	
25SP	00NR_1	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157	0.0916	131.5114	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_4	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157	0.0916	131.5114	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_5	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157	0.0916	130.9139	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_8	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157	0.0916	130.9139	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_1	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10146	101.59	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_4	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10146	101.59	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_8	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10146	100.7336	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_5	0	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10146	100.7277	P12:115:SPS:T94.1.MADDOX.HOBBG	
17G	06NR_3	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	142.9018	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	142.842	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	134.7479	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	134.6781	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	121.7694	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	121.6996	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	120.3759	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	120.346	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	118.7611	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	118.7312	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	114.106	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	114.0761	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	113.6055	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03821	113.5457	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	112.5809	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	112.551	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	112.4912	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	112.4613	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	110.966	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	110.9361	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	106.311	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	106.281	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	104.6961	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03101	104.6662	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03676	101.7481	P12:345:SPS:J02.1.TOLK.EDDY	
17G	06NR_8	0	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.03676	101.6883	P12:345:SPS:J02.1.TOLK.EDDY	
17G	06NR_2	0	TO->FROM	G16_085	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14121	110.6015	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_085	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14121	110.5962	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_085	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14121	109.4146	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_085	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14121	109.4066	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	134.7605	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	134.7005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	126.5718	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	126.5017	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	113.5379	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	113.4678	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	112.1385	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	112.1085	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	110.5168	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	110.4867	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	105.7351	G15039_T	230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	105.705	G15039_T	230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_6	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	105.3392	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03821	105.2791	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	104.3101	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_1	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	104.2801	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	104.1133	G15039_T	230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_8	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	104.0833	G15039_T	230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_6	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	102.6884	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_5	0	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.03101	102.6584	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03821	128.078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03821	128.0192	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03821	120.0604	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03821	119.9918	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03821	107.2989	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03821	107.2303	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03101	105.9287	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03101	105.8993	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03101	104.3409	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.03101	104.3115	DEAF SMITH COUNTY INTERCHANGE - G15039_T	230.00 230KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.03821	103.6726	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_085	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.03821	103.6131	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	144.1379	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1855	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	143.1813	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4388	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4388	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4388	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4388	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4346	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4346	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4346	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09931	142.4346	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	141.4729	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	141.4729	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.6	0.09931	141.4729	CHISHOLM7	345.00 - G16-037-TAP 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_085	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03221	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03221	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03221	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22822	107.0876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22822	107.0849	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22822	106.8834	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22822	106.8807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	359.2	0.23175	100.3048	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	359.2	0.23175	100.2995	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	359.2	0.23175	100.1037	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	359.2	0.23175	100.1011	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.596	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.5709	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.5697	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.5218	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.4967	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	183.4955	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	179.0813	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	179.0562	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	179.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	179.0071	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	178.982	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23945	178.9808	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.2396	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.2384	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.2036	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.2024	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.1699	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.1688	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.1327	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	177.1315	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.9775	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.9763	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.9415	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.9402	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.9193	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.9169	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.9169	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.9157	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.9078	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.9066	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.8833	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.8821	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.8809	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	172.8797	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.8706	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.2	172.8694	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.6706	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.6456	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.6456	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.5883	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.5633	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	169.5633	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6476	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6452	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6452	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.644	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6116	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6105	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6093	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.9	0.19698	168.6081	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.8422	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.841	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.8087	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.8075	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.7453	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.7441	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.7118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.23304	165.7106	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.23215	165.2641	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.5342	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.533	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.491	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.4898	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.4417	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.4393	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.3985	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.3	0.19786	163.3961	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.6976	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.6964	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.6556	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.6556	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.5919	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.5907	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.5499	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	781.1	0.1964	161.5487	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.9751	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.9739	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.9429	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.9417	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.8689	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.8677	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.8367	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.2295	155.8355	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.7578	System Intact	
20L	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.7565	System Intact	
20L	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.7274	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
20L	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.726	System Intact
20L	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.6863	System Intact
20L	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.685	System Intact
20L	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.6559	System Intact
20L	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.12335	154.6545	System Intact
17G	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.3931	System Intact
17G	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.3917	System Intact
17G	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.3613	System Intact
17G	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.36	System Intact
17G	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.3308	System Intact
17G	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.3295	System Intact
17G	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.299	System Intact
17G	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.15329	153.299	System Intact
20WP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.4939	System Intact
20WP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.4926	System Intact
20WP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.4634	System Intact
20WP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.4621	System Intact
20WP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.4224	System Intact
20WP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.421	System Intact
20WP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.3919	System Intact
20WP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.15231	152.3906	System Intact
17SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.2317	System Intact
17SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.2317	System Intact
17SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.2106	System Intact
17SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.2093	System Intact
17SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.1684	System Intact
17SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.1684	System Intact
17SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.146	System Intact
17SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.18002	152.146	System Intact
16WP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.272	System Intact
16WP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.2707	System Intact
16WP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.2693	System Intact
16WP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.268	System Intact
16WP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.2416	System Intact
16WP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.2402	System Intact
16WP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.2389	System Intact
16WP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.15099	150.2376	System Intact
17SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.9667	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.9655	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.9452	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.944	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.9045	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.9033	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.883	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.19673	146.8818	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7338	CIMARRON - MINCO 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7326	CIMARRON - MINCO 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7231	CIMARRON - MINCO 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7231	CIMARRON - MINCO 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7207	CIMARRON - MINCO 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7196	CIMARRON - MINCO 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.71	CIMARRON - MINCO 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	143.7088	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.0934	System Intact
20SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.092	System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.071	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.071	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.0224	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.0224	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.0014	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.17768	142.0001	System Intact	
20SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2994	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2982	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2779	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2779	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2314	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2314	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2111	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.19597	139.2099	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9653	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9641	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9522	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.951	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9415	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.17126	138.9403	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.4389	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.4378	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.4045	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.4033	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8508	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8497	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8164	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8152	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8021	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.14223	131.8021	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.5173	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.5161	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.4923	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.4911	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.4351	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.4339	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.4089	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	121.4089	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.8191	System Intact	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.8178	System Intact	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.81	System Intact	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.81	System Intact	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.8086	System Intact	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.8073	System Intact	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.7995	System Intact	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.12193	117.7995	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.2263	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.2251	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.2013	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.2001	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.1441	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.143	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.118	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23923	117.118	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.4333	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.4322	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12641	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1013	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.1564	System Intact	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.1564	System Intact	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.1459	System Intact	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.1459	System Intact	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.1184	System Intact	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.1184	System Intact	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.108	System Intact	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.1005	116.108	System Intact	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.985	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9838	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9767	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9755	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9731	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9719	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13838	115.9636	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3931	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.11669	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.4015	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.4004	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.392	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.3908	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.388	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3868	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3809	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3797	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3785	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3773	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3714	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12793	114.3702	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10558	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.7159	P12:138:WFEC:MSL03	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.7159	P12:138:WFEC:MSL03	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.7088	P12:138:WFEC:MSL03	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.7076	P12:138:WFEC:MSL03	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.7064	P12:138:WFEC:MSL03	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.7052	P12:138:WFEC:MSL03	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.6981	P12:138:WFEC:MSL03	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12892	113.6969	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.6142	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.613	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.607	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.6058	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3732	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.372	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3661	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3649	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13111	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1005	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0638	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0626	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0602	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.059	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0542	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0531	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0507	P12:345:SPSJ06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13089	112.0507	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.792	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7908	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7825	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7813	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12635	111.7742	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6746	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6734	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.662	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.662	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6608	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10782	111.6608	P12:345:SPS:J07.1.FINN.HITCH	
16WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.505	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.5039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.4955	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.4943	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.492	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.4908	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.4813	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	111.4813	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1929	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1917	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1834	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1822	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9909	P12:345:AEPW:PITTSB-7.VALIANT7	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9909	P12:345:AEPW:PITTSB-7.VALIANT7	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9838	P12:345:AEPW:PITTSB-7.VALIANT7	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9838	P12:345:AEPW:PITTSB-7.VALIANT7	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9814	P12:345:AEPW:PITTSB-7.VALIANT7	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9814	P12:345:AEPW:PITTSB-7.VALIANT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9743	P12:345:AEPW:PITTSB-7-VALIAN7	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12388	110.9731	P12:345:AEPW:PITTSB-7-VALIAN7	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.9015	P12:138:WFEC:MSLO3	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.9015	P12:138:WFEC:MSLO3	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.892	P12:138:WFEC:MSLO3	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.8908	P12:138:WFEC:MSLO3	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8885	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8874	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.879	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8778	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.8647	P12:138:WFEC:MSLO3	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.8647	P12:138:WFEC:MSLO3	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.8551	P12:138:WFEC:MSLO3	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10714	110.8551	P12:138:WFEC:MSLO3	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7617	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7605	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7522	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.751	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7328	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7316	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7232	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.7221	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.6983	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.6971	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.6888	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.6876	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12193	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5725	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5713	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5463	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5451	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10816	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.3166	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.3154	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.2916	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.2904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0758	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0746	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0508	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0496	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1014	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5406	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10125	109.5395	P12:345:AEPW-PITTSB-7:VALIANT7	
25SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.23612	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7395	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7383	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.73	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7288	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7264	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7253	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7157	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.17589	106.7157	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3657	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3645	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3039	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	106.3039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2474	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2462	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2403	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2391	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2379	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2367	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2308	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12821	104.2296	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13446	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.7753	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.7741	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.7135	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17943	101.7135	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0485	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0473	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0461	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0449	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.039	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13005	101.0378	CIMARRON - DRAPER LAKE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.9636	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.9636	System Intact	
25SP	06ALL_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.9426	System Intact	
25SP	06ALL_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.9413	System Intact	
25SP	06ALL_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.8928	System Intact	
25SP	06ALL_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.8928	System Intact	
25SP	06ALL_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.8718	System Intact	
25SP	06ALL_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.183	100.8718	System Intact	
16WP	00NR_1	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.354	System Intact	
16WP	00NR_2	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3527	System Intact	
16WP	00NR_5	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3449	System Intact	
16WP	00NR_6	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3449	System Intact	
16WP	00NR_3	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3423	System Intact	
16WP	00NR_4	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3423	System Intact	
16WP	00NR_8	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3344	System Intact	
16WP	00NR_7	0	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12415	100.3331	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.3678	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.3667	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.2941	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	194.2929	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.8668	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.8656	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.793	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23945	189.7918	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.4982	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.497	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.4624	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.4613	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.4291	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.4279	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.3922	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	187.391	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4822	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4798	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4798	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4786	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4464	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4453	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4441	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	183.4429	CIMARRON - MINCO 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.2601	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.2589	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.2244	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.2232	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.1911	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.1899	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.1542	GRACEMONT - MINCO 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.2	183.153	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	181.0836	CIMARRON - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.243	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2407	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2407	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2395	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2073	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2061	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2049	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.19698	179.2038	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.7981	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23215	176.7981	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.7426	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.7414	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.7093	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.7081	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.6463	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.6451	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.613	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.23304	176.6118	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.911	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.9098	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.8681	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.867	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.8194	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.817	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.7765	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
17G	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.19786	173.7741	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	172.1182	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	172.1171	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	172.0766	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	172.0766	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	172.0135	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	172.0123	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	171.9718	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.9	0.1964	171.9706	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.5385	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.5373	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.5064	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.5052	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.4327	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.4315	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.4006	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.2295	167.3994	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.85	System Intact	
20L	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.8487	System Intact	
20L	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.8199	System Intact	
20L	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.8186	System Intact	
20L	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.7793	System Intact	
20L	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.778	System Intact	
20L	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.7492	System Intact	
20L	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.12335	165.7479	System Intact	
17G	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.7612	System Intact	
17G	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.7598	System Intact	
17G	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.7297	System Intact	
17G	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.7284	System Intact	
17G	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.6996	System Intact	
17G	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.6983	System Intact	
17G	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.6681	System Intact	
17G	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.15329	164.6681	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.2172	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.2172	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.1963	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.195	System Intact	
17SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.1544	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.1544	System Intact	
17SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.1322	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.18002	164.1322	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.9025	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.9012	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.8723	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.8711	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.8317	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.8304	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.8016	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15231	163.8003	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9417	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9404	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9391	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9378	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9116	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9102	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9089	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.15099	161.9076	System Intact	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.9103	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.9091	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.8972	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.896	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.8865	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	156.8853	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.8213	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.82	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.7991	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.7991	System Intact	
20SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.7506	System Intact	
20SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.7506	System Intact	
20SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.7297	System Intact	
20SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.17768	154.7284	System Intact	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1333	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1321	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1202	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.119	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1095	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.17126	152.1083	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.9157	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.9145	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.8943	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.8943	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.8479	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.8479	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.8277	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.19597	150.8265	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.3979	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.3967	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.3633	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.3622	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.8057	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.8045	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.7712	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.77	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.7569	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.14223	144.7569	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	134.042	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	134.0408	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	134.0171	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	134.0159	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	133.96	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	133.9588	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	133.9338	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	133.9338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2921	System Intact	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2908	System Intact	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2829	System Intact	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2829	System Intact	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2816	System Intact	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2803	System Intact	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2724	System Intact	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.12193	132.2724	System Intact	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.398	System Intact	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.398	System Intact	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.3876	System Intact	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.3876	System Intact	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.3601	System Intact	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.3601	System Intact	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.3496	System Intact	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.1005	130.3496	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.7708	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.7696	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.7458	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.7446	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.6888	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.6876	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.6626	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23923	129.6626	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5613	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5601	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12641	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1013	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.1121	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.1109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.1038	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.1026	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.1002	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.099	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.0919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13838	129.0907		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.3333		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.3321		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.3214		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.3214		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.2928		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.2928		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.2809		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.11669	128.2809		CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.5123		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.5112		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.5052		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.504		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.5028		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.5016		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.4957		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12793	127.4945		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2842		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2842		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2746		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2746		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2497		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2497		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2401		CIMARRON - DRAPER LAKE 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10558	127.2401		CIMARRON - DRAPER LAKE 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.839		P12:138:WFEC:MSL03
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.839		P12:138:WFEC:MSL03
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.8319		P12:138:WFEC:MSL03
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.8307		P12:138:WFEC:MSL03
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.8295		P12:138:WFEC:MSL03
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.8283		P12:138:WFEC:MSL03
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.8212		P12:138:WFEC:MSL03
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12892	126.82		P12:138:WFEC:MSL03
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7371		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7359		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7299		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7288		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7276		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7276		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7204		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.7204		P12:345:SPS:J04.1.FINN.HOLC(534)
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.4957		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.4945		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.4886		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.4874		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.4862		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.4862		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.479		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13111	126.479		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1818		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1807		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1723		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1711		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1688		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1676		CIMARRON - MINCO 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1581		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	126.1581		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.9117		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.9105		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.9022		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.901		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.895		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12635	124.8939		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.652		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.652		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.652		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.652		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.652		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.652		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6425		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6425		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6425		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6425		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6425		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6425		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6199		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6199		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6199		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6199		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6199		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6199		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6116		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6116		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6116		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6104		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6104		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10782	124.6104		P12:345:SPS:WALKEMEYER-HITCHLAND
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.3115		P13:138-24:AEPW:TRUK 4
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.3103		P13:138-24:AEPW:TRUK 4
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.3032		P13:138-24:AEPW:TRUK 4
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.3032		P13:138-24:AEPW:TRUK 4
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.302		P13:138-24:AEPW:TRUK 4
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.3008		P13:138-24:AEPW:TRUK 4
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.2937		P13:138-24:AEPW:TRUK 4
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.2937		P13:138-24:AEPW:TRUK 4
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1219		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1219		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1147		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1147		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1124		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1124		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.1052		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12388	124.104		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.0066		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	124.0054		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.9983		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.9983		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.9971		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.9959	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8506	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8494	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.841	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.8398	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.39	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.3888	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.3805	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.3793	P13:345-18:AEPW:WELSH 7_#3	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.265	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.2638	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.24	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.2388	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.2264	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.2252	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.2168	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.2156	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.0113	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	123.0101	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	122.9863	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	122.9851	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1014	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.5324	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.5324	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.5229	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.5229	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.4979	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.4979	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.4883	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10125	122.4872	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.1655	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.1334	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.0597	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.23612	122.0276	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.4163	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.4151	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.4068	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.4056	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.4032	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.402	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.3925	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.17589	121.3925	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.098	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0968	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0837	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0837	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0492	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0492	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0362	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	121.0362	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9242	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9231	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9171	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9147	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9136	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9076	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12821	118.9064	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.7398	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.7398	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.7303	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.7303	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.7065	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.7065	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.697	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13446	116.697	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.5186	System Intact	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.5173	System Intact	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.5095	System Intact	
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.5095	System Intact	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.5082	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.507	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.5069	System Intact	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.5069	System Intact	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.499	System Intact	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12415	116.4977	System Intact	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.4939	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.4939	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.4594	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.4594	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.4463	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17943	116.4463	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7451	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7451	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.738	CIMARRON - DRAPER LAKE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7368	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7356	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7344	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7285	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13005	115.7273	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2436	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2436	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2436	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2436	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2365	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2365	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2353	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	115.2353	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.7552	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.7552	System Intact	
25SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.7343	System Intact	
25SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.7329	System Intact	
25SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.6845	System Intact	
25SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.6845	System Intact	
25SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.6636	System Intact	
25SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.183	114.6636	System Intact	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7946	System Intact	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7946	System Intact	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7841	System Intact	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7841	System Intact	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7566	System Intact	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7566	System Intact	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7461	System Intact	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.13059	113.7461	System Intact	
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13777	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12515	113.1202	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12515	113.1191	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12515	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12515	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1054	112.147	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1054	112.1459	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1054	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1054	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0164	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0164	TOLK STATION 345/115KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	06NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0152	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0152	TOLK STATION 345/115KV TRANSFORMER CKT 1
17G	06NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0069	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0069	TOLK STATION 345/115KV TRANSFORMER CKT 1
17G	06NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0057	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1
17G	06NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12193	112.0057	TOLK STATION 345/115KV TRANSFORMER CKT 1
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4336	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4324	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12585	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.4117	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.4105	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.3939	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	111.3927	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.9353	P12:138:WFEC:MSLO3
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.9353	P12:138:WFEC:MSLO3
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.927	P12:138:WFEC:MSLO3
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.927	P12:138:WFEC:MSLO3
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.9258	P12:138:WFEC:MSLO3
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.9246	P12:138:WFEC:MSLO3
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.9174	P12:138:WFEC:MSLO3
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.13151	110.9163	P12:138:WFEC:MSLO3
17SP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.8263	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.8251	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.8132	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.812	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.812	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.8108	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.7989	CIMARRON - MINCO 345KV CKT 1
17SP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	110.7989	CIMARRON - MINCO 345KV CKT 1
25SP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.6147	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.6147	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1
25SP	06ALL_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.5933	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.5933	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5904	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5893	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5881	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5869	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5809	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12693	110.5797	CLEVELAND - G15066_T 345.00 345KV CKT 1
25SP	06ALL_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.5469	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.5469	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.5267	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
25SP	06ALL_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.2018	110.5255	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1005	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.0923	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.0911	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0788	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0776	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.0745	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12415	109.0733	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0692	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.068	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12878	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9497	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12329	108.9485	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5094	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.5082	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.4852	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.484	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.4757	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.4745	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13238	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2558	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13338	108.2546	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.1424	P12:138:WFEC:MSLO3	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.1424	P12:138:WFEC:MSLO3	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.1329	P12:138:WFEC:MSLO3	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.1329	P12:138:WFEC:MSLO3	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.1067	P12:138:WFEC:MSLO3	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.1055	P12:138:WFEC:MSLO3	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.096	P12:138:WFEC:MSLO3	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13817	108.096	P12:138:WFEC:MSLO3	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2041	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	107.2041	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13597	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.5701	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13059	106.5701	P13:138-24:AEPW:PIRKEY 4	
17SP	00NR_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.068	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0668	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0525	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_7	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0406	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18267	106.0406	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4024	System Intact	
17G	06NR_1	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.1433	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.1416	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.1242	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.1225	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.1182	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.1164	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.0982	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	103.0965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.394	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3923	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3749	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3689	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3671	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3489	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21622	102.3472	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.3313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.3295	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.3148	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.3018	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.2992	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.2844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.21343	100.2827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	158.4563	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	158.3887	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	157.8507	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	157.778	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	156.4259	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	156.3609	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	155.8229	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	155.7501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	145.2512	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	145.1815	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3696	143.9852	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3696	143.9075	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	143.1626	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	143.0929	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3696	141.8965	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3696	141.8189	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21404	123.2694	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21404	123.2346	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2134	122.4116	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2134	122.3687	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21404	122.1026	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.21404	122.0678	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2134	121.2421	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2134	121.2019	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	117.2524	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	117.1848	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	116.9458	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	116.8704	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_8	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	115.2246	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_5	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.37358	115.157	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_8	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	114.918	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.3731	114.8426	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20553	114.7785	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20553	114.7411	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20553	113.4057	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20423	113.3714	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20553	113.3682	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20423	113.3339	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20423	111.9985	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20423	111.9584	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21678	111.6322	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21678	111.5974	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21602	110.5892	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21602	110.549	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21678	110.4631	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21678	110.4283	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21602	109.4227	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21602	109.3799	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	108.9429	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	108.9429	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	108.9135	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	108.9135	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20281	108.5336	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20281	108.4971	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21708	107.2337	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20281	107.1977	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20281	107.1612	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20165	106.9761	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	106.9732	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	106.9732	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	106.9438	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	106.9438	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20165	106.9397	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21611	105.9282	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20165	105.6402	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.2	0.20165	105.6038	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24307	105.5532	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24307	105.5371	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24307	103.5434	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24307	103.5247	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	102.8443	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	102.7984	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	102.7984	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	102.7747	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	102.769	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	102.769	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36996	101.8515	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36996	101.7765	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24307	101.2231	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24307	101.2071	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	100.8287	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	100.8287	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	100.802	HOBBS - YOAKUM_345 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_5	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.31007	100.802	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	100.7531	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.36993	100.6861	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	173.052	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	173.0508	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	172.997	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	172.9946	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	172.8895	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	172.8871	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	172.8334	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	172.8322	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.7876	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.7865	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.7303	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.6252	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.6228	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.5691	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.2754	166.5679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	166.1245	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	166.1233	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	166.0708	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	166.0696	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	165.9468	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	165.9456	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	165.8932	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	165.892	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	161.1318	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	161.1294	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	161.065	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	161.0626	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	160.9744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	160.9732	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	160.9089	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	160.9065	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.8062	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.805	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.7525	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.7513	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.6285	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.6273	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.5748	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.2707	159.5736	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	157.0908	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	157.0896	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	157.0265	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	157.0253	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	156.9133	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	156.9121	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	156.8502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	156.8478	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.5189	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.5165	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.4545	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.4533	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.3412	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.3388	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.2767	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	155.2755	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	155.1336	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	155.1312	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	155.0668	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	155.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	154.9762	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	154.975	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	154.9106	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.23385	154.9083	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.2312	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.2288	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.2098	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.2062	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.1669	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.1646	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.1455	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	151.142	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	151.1211	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	151.1199	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	151.0567	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	151.0555	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	150.9436	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	150.9424	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	150.8804	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.23227	150.878	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.6186	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.6162	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.5542	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.4408	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.4385	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.3764	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.4	0.19977	149.3752	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.1787	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.1763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.1573	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.1537	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.1144	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.112	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.093	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.22287	145.0894	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	122.0675	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	122.0663	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	122.0317	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	122.0305	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	121.9648	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	121.9636	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	121.929	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	121.9277	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.9863	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.9851	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.9504	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.9492	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.8836	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.8824	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.8477	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.21269	118.8465	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.9053	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.9041	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.8518	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.8506	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.7281	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.7274	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.7269	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.7262	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.6916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.6904	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.6746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	115.6734	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.6105	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.6093	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.5747	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	115.5735	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.9492	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.948	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.9026	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.9014	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.8334	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.8322	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.7856	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20503	113.7844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.7017	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.7005	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.6659	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.6647	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.5848	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.5836	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.5491	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.20628	112.5479	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.2488	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.2476	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.1953	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.1941	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.0716	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.0704	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.0181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.27797	109.0169	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.9993	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.9981	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.9528	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.9516	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.8681	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.8669	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.8228	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19917	108.8216	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.066	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.066	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.0636	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.0636	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.0122	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.0122	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.0111	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	105.0111	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.9107	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.9095	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.9083	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.9083	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.8569	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.8569	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.8558	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20161	104.8558	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.7188	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.7188	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.7177	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.7177	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.7072		System Intact
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.7059		System Intact
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.6676	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.6676	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.6664	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.6664	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.6572		System Intact
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.6559		System Intact
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.5612		System Intact
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.5598		System Intact
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.5495	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.5495	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.5483	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.5483	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.5112		System Intact
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.18061	103.5099		System Intact
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.4982	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.4982	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.497	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19925	103.497	BORDER	7345.00 - CRAWFISH_DR 345.00 345KV CKT 2
17SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.8781		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.8769		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.8602		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.8578		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.8028		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.8016		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.7849		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.20196	102.7825		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.7698		System Intact
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.7685		System Intact
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.7213		System Intact
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.72		System Intact
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.6455		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.6432		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.6324		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.63		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.6097		System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_6	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.6097		System Intact
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.5728		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.5704		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.5624		System Intact
20SP	06ALL_8	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.17787	101.5611		System Intact
20SP	06ALL_3	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.5597		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_085	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.19953	101.5573		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0801		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0793		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0596		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0588		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0216		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0208		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0011		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	147.0011		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5836		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5828		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.563		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5623		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5251		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5243		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5046		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.30648	143.5046		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.5114		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.5114		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.4909		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.4901		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.4444		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.4436		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.4231		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	136.4231		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	133.0553		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	133.0553		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	133.0348		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	133.034		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	132.9883		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	132.9875		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	132.967		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.29487	132.967		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.5454		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.5438		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.5154		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.5139		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.4902		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.4894		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.4603		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	131.4595		G14-057T 345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.2849		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.2833		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.2549		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.2534		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.2297		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.2289		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.1997		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.25328	128.199		G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6422	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6414	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6398	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6123	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6115	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	126.6107	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.7801	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.7793	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.7502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.7494	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.7132	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.7124	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.6833	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	124.6825	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3444	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3428	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.342	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3137	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24926	123.3129	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.767	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.7662	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.737	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.7363	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.7	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.6992	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.67	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	121.6692	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.5832	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.5825	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.5533	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.5526	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.5163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.5156	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.4864	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.24473	121.4856	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.8856	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.8848	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.8366	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.27485	119.8358	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.6065	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.6057	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.5766	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.5758	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.5395	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.5387	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.5096	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.21662	118.5088	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8467	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8467	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8357	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8349	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8151	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8143	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8033	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	117.8033	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.4829	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.4821	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.4648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.464	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.4261	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.4254	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.408	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.27276	116.4072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.7209	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.7201	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.6608	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24512	115.66	P12:138:WFEC:MSL03	
17G	06NR_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8873	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8865	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8786	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8778	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8754	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8666	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	114.8658	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.6146	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.6138	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.5941	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.5933	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.275	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.2742	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.2544	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.2536	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24344	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7359	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7351	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7319	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.724	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23533	110.7232	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24256	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.8016	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.8008	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.24458	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1731	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1723	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1179	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.21855	109.1171	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23941	108.8253	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.5405	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.5397	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.4986	ANADARKO - POCASSETT 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.4978		ANADARKO - POCASSETT 138KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.4836		ANADARKO - POCASSETT 138KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.4828		ANADARKO - POCASSETT 138KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.4141	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.4133	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3722	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3714	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3572	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3564	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3214	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3206	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.2795	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.2787	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.2645	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23222	108.2637	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0927	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0919	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0786	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0778	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	108.0022	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	108.0014	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	107.9888	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	107.988	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.9659	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.9659	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	107.9635	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	107.9635	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.9501	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	107.95	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23662	107.95	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.9493	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.913	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.9122	P12:138:WFEC:MSL03	
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.9079	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.9071	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.8964	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23554	107.8964	P12:138:WFEC:MSL03	
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.8937	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.8929	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.8677	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.8677	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.8535	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.2181	107.8535	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.1471	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.1463	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.1274	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.1266	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.1163	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.1163	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.0966	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	105.0958	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.4782	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.4766	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.4679	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.4671	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.464	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.4632	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.4545	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21993	104.453	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5755	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5748	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5669	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5661	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5614	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5606	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5527	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.5519	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23763	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3993	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3985	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3907	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3899	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3852	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3844	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3765	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21948	103.3757	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.1446	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.1446	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.1304	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.1296	System Intact	
20L	06NR_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.105	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.1042	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.1035	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.1035	System Intact	
20L	06NR_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.0893	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22671	103.0885	System Intact	
20L	06NR_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.20279	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.851	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.825	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.8242	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.8061	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.8053	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.7793	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.22471	102.7785	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.1876	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21174	102.1868	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23161	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.5501	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.5493	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.5138	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.513	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23026	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.3506	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.3498	PAOLA 161/115KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.2255	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.2255	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1828	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.182	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1741	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1583	POCASSETT - TUTTLE 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.21127	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1236	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1236	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1078	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22333	101.1078	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.5925	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.5917	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.5728	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.572	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.5617	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.5617	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.542	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1190	0.20281	100.5412	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3746	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3715	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3707	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.3518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_085	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.20076	100.351	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.7827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.7801	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.07758	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.953	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20L	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.9503	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.9097	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.8636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05793	133.8609	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.2235	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.2208	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.2047	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.202	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.8793	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.8766	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.8605	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.8578	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05701	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.5673	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.5646	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.5216	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.5216	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.5135	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.5135	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.4705	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	116.4705	P12:345:AEPW-O.K.U.-7:L.E.S.-7
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.8095	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.8068	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.2382	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.2355	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.1925	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.1898	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.2342	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.2315	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.1885	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.1858	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.9187	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.916	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.9049	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.9022	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.8753	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.8729	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.8726	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.8702	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.8457	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.8457	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.8161	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0535	109.8161	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04901	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.8221	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.8194	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05439	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.2243	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.2216	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.1593	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.1566	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.1187	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.116	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.0537	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	108.051	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.9357	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.933	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.8707	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.868	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.8301	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.8274	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20L	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.7651	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04141	107.7624	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05179	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.1409	System Intact	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.1409	System Intact	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.0965	System Intact	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.0965	System Intact	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.0787	System Intact	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.0787	System Intact	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.0343	System Intact	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04356	107.0343	System Intact	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.6748	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.6748	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.6371	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.6344	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.6183	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.6183	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.5779	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.5779	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.5308	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.5281	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.5119	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.5092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.4794	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	105.4767	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.3503	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.3476	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04874	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.8922	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.8895	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.8814	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.8787	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04877	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.3855	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.3828	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.3424	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.3397	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.9512	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.9485	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.9081	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.9054	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.8462		BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1
17G	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.04641	102.8462		BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1
20L	06NR_7	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.8088		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.8088		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.779		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.7763		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.7601		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.7574		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.7276		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04145	101.7249		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.5709		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.5682		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.5252		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.5226		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.5226		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.5226		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.4769		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_085	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06006	128.4769		CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.7362		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_4	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.7362		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_7	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.7124		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.7065		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.6886		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.6886		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_5	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.6589		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_6	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03691	109.6589		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_7	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.6469		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_8	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.6469		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_3	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.5937		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_4	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.5937		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_5	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.5937		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_6	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.5937		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_1	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.5405		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_2	0	TO->FROM	G16_085	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03014	106.5405		P12:345:SPSJ06.1.POTTER.HITCH
20L	06ALL_4	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.9928		System Intact
20L	06ALL_3	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.9845		System Intact
20L	06ALL_1	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.9637		System Intact
20L	06ALL_2	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.9595		System Intact
20L	06ALL_8	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.8391		System Intact
20L	06ALL_7	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.8307		System Intact
20L	06ALL_5	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.81		System Intact
20L	06ALL_6	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.042	130.8058		System Intact
17G	06ALL_4	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.1959		System Intact
17G	06ALL_3	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.1918		System Intact
17G	06ALL_1	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.1591		System Intact
17G	06ALL_2	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.155		System Intact
17G	06ALL_8	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.0447		System Intact
17G	06ALL_7	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.0365		System Intact
17G	06ALL_5	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	129.0038		System Intact
17G	06ALL_6	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.0502	128.9997		System Intact
20WP	06ALL_4	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	121.1113		System Intact
20WP	06ALL_3	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	121.1077		System Intact
20WP	06ALL_1	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	121.0893		System Intact
20WP	06ALL_2	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	121.082		System Intact
20WP	06ALL_8	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	120.9757		System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_7	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	120.972	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	120.9537	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05132	120.9464	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	120.1567	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	120.153	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	120.1239	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	120.1203	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	119.9527	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	119.9491	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	119.9199	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_085	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05631	119.9163	System Intact	
17G	06ALL_4	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.4137	System Intact	
17G	06ALL_3	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.4098	System Intact	
17G	06ALL_1	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.3787	System Intact	
17G	06ALL_2	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.3748	System Intact	
17G	06ALL_8	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.2696	System Intact	
17G	06ALL_7	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.2618	System Intact	
17G	06ALL_5	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.2307	System Intact	
17G	06ALL_6	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.0502	112.2268	System Intact	
20L	06ALL_4	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.2776	System Intact	
20L	06ALL_3	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.2699	System Intact	
20L	06ALL_1	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.2506	System Intact	
20L	06ALL_2	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.2468	System Intact	
20L	06ALL_8	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.135	System Intact	
20L	06ALL_7	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.1273	System Intact	
20L	06ALL_5	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.108	System Intact	
20L	06ALL_6	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.042	109.1042	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.2279	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.2244	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.2071	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.2001	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.0995	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.096	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.0786	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05132	104.0717	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.4037	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.4002	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.3724	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.369	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.2094	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.2059	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.1782	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_085	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05631	103.1747	System Intact	
17G	06NR_3	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.262	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2561	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03691	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.9395	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.9395	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.8862	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_085	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03014	114.8862	P12:345:SPSJ06.1.POTTER.HITCH	
25SP	00NR_1	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	114.188	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	114.188	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	113.8037	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	113.8037	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	113.0884	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	113.0884	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	112.704	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	112.704	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	104.5788	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_4	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	104.5788	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	103.4792	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_8	0	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07175	103.4792	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16591	118.0347	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16591	117.9994	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16591	116.2304	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16591	116.1951	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16497	116.0391	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16497	115.998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16497	114.2348	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16497	114.1937	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.1869	System Intact	
17G	06ALL_3	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.183	System Intact	
17G	06ALL_1	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.1521	System Intact	
17G	06ALL_2	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.1482	System Intact	
17G	06ALL_8	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.0439	System Intact	
17G	06ALL_7	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.0362	System Intact	
17G	06ALL_5	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.0052	System Intact	
17G	06ALL_6	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.0502	113.0014	System Intact	
20L	06ALL_4	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.5986	System Intact	
20L	06ALL_3	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.5909	System Intact	
20L	06ALL_1	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.5717	System Intact	
20L	06ALL_2	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.5679	System Intact	
20L	06ALL_8	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.4567	System Intact	
20L	06ALL_7	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.4491	System Intact	
20L	06ALL_5	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.4299	System Intact	
20L	06ALL_6	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.042	111.4261	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.3087	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.3052	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.288	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.2811	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.1811	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.1777	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.1604	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05132	104.1535	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	104.1159	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	104.1125	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	104.0849	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	104.0814	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	103.9229	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	103.9195	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	103.8919	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_6	0	FROM->TO	G16_085	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05631	103.8885	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.6276	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.6268	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.6029	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.6021	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.5486	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.5479	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.5239	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1175.9	0.19835	101.5231	CRAWFISH765 765.00 - LES765	765.00 765KV CKT 1
17G	06NR_1	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	101.0136	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	101.0122	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.9979	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.9965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.993	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.9916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.9766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.9752	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.4	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.3985	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.3843	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.3829	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.3793	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.3779	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.363	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.21622	100.3616	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04045	104.6555	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04045	104.6555	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04045	102.3855	P12:115:LCEC:W56.1.HOBBG.LE-LVN	
17SP	00NR_4	0	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04045	102.3855	P12:115:LCEC:W56.1.HOBBG.LE-LVN	
25SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	113.406	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	113.4006	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	111.8472	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	111.8472	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	111.6632	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	111.6578	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	108.4435	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	108.4381	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	107.4049	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	0.07394	107.4013	System Intact	
25SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	107.3994	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	0.07394	107.3943	System Intact	
25SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	107.3472	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	107.3418	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	106.8847	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	106.8847	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	106.7007	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	106.6953	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	106.6885	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
20SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	106.6831	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.846	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.846	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.7883	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.7883	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	0.07394	105.6675	System Intact	
25SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.662	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
25SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	0.07394	105.6606	System Intact
25SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.6566	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
25SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.6043	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.3	0.08155	105.5989	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	0.07394	105.3222	System Intact
25SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	135.8	0.07394	105.3222	System Intact
20SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	105.157	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	105.157	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	104.9762	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	104.9709	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07452	104.925	System Intact
20SP	06ALL_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07452	104.9183	System Intact
17G	06NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11309	104.1322	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11309	104.1164	P12:345:SPS:J15.1.XRDS.TOLK
20SP	06ALL_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07452	103.2433	System Intact
20SP	06ALL_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07452	103.2366	System Intact
20SP	06ALL_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07452	102.9083	System Intact
20SP	06ALL_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07452	102.9016	System Intact
17G	06NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11309	102.7545	P12:345:SPS:J15.1.XRDS.TOLK
25SP	06ALL_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07453	102.7508	System Intact
25SP	06ALL_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07453	102.744	System Intact
17G	06NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11309	102.7387	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11227	102.7163	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11227	102.6952	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	102.0966	P12:115:SPS:V98.1.CUNN.LE-SNANDR
20SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	102.0913	P12:115:SPS:V98.1.CUNN.LE-SNANDR
17G	06NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11227	101.3439	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11227	101.3227	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	101.1896	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
20SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	101.1843	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
20SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	101.1329	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
20SP	00NR_1	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	139.7	0.07429	101.1304	System Intact
20SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	101.1276	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
20SP	00NR_4	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	139.7	0.07429	101.1237	System Intact
25SP	06ALL_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07453	101.0484	System Intact
25SP	06ALL_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07453	101.0416	System Intact
25SP	06ALL_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07453	100.7093	System Intact
25SP	06ALL_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07453	100.7093	System Intact
20SP	00NR_5	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	100.5652	P12:115:SPS:V98.1.CUNN.LE-SNANDR
20SP	00NR_8	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	100.5652	P12:115:SPS:V98.1.CUNN.LE-SNANDR
20SP	00NR_2	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	100.3844	P12:115:SPS:V98.1.CUNN.LE-SNANDR
20SP	00NR_3	0	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.4	0.08194	100.3791	P12:115:SPS:V98.1.CUNN.LE-SNANDR
16WP	06ALL_1	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.24974	115.6171	P12:345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_2	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.24974	115.5801	P12:345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_4	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.24974	115.4638	P12:345:SPS:J15.1.XRDS.TOLK
16WP	06ALL_3	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	354.7	0.24974	115.4241	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.24003	106.9972	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.24003	106.9593	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.24003	106.8485	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.24003	106.8107	P12:345:SPS:J15.1.XRDS.TOLK
20WP	00NR_7	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.7528	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.7528	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.752	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.752	CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.7496	CIMARRON - NORTHWEST 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_2	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.7496		CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.7496		CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15623	102.7496		CIMARRON - NORTHWEST 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0897		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0897		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_8	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0897		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0897		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_5	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0857		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0857		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_6	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0857		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0857		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_3	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0755		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0755		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_4	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0755		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0755		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_1	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0724		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0724		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_2	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0724		CIMARRON - MATHWSN7 345.00 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10009	102.0724		CIMARRON - MATHWSN7 345.00 345KV CKT 2
20WP	00NR_7	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3486		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3486		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3462		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3462		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3392		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3392		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3368		CIMARRON - DRAPER LAKE 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_085	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11594	100.3368		CIMARRON - DRAPER LAKE 345KV CKT 1
25SP	00NR_1	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	103.3718		MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_4	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	103.3718		MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_1	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	103.0167		OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_4	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	103.0167		OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_5	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	102.1527		MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_8	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	102.1527		MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_5	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	101.7976		OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1
25SP	00NR_8	0	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07175	101.7976		OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1
17G	06NR_7	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.7379		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_8	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.7353		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_3	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.7299		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_4	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.7272		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_5	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.6978		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_6	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.6978		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_2	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.6925		P12:345:SPSJ06.1.POTTER.HITCH
17G	06NR_1	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.07904	116.6898		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_8	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.3078		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_7	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.3052		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_5	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.2702		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_6	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.2675		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_4	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.2136		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_3	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.2109		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_1	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.1759		P12:345:SPSJ06.1.POTTER.HITCH
20L	06NR_2	0	TO->FROM	G16_085	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.06458	111.1759		P12:345:SPSJ06.1.POTTER.HITCH
16WP	06ALL_2	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.20326	112.3132		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.20326	112.1989		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.20326	112.0923		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.20326	111.9779		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20076	110.0499	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20076	109.9295	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20076	109.8224	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20076	109.702	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.19994	109.1885	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.19994	109.0898	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.19994	108.9676	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	360.8	0.19994	108.8688	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19776	106.3092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19776	106.2075	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19776	106.0844	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19776	105.98	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06ALL_7	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	518.2564	System Intact	
20L	06ALL_8	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	518.2564	System Intact	
20L	06ALL_5	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	517.9953	System Intact	
20L	06ALL_6	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	517.9953	System Intact	
20L	06ALL_3	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	517.9885	System Intact	
20L	06ALL_4	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	517.9885	System Intact	
20L	06ALL_1	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	517.7274	System Intact	
20L	06ALL_2	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.06647	517.7274	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.4232	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.4232	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.2282	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.2282	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.2231	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.2231	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.0281	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.0888	389.0281	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	381	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.995	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.99	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.985	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.82	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.815	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.805	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.09909	380.8	System Intact	
17G	06ALL_8	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	300.05	System Intact	
17G	06ALL_7	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	300.0463	System Intact	
17G	06ALL_4	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	299.9192	System Intact	
17G	06ALL_3	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	299.9155	System Intact	
17G	06ALL_5	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	299.9118	System Intact	
17G	06ALL_6	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	299.908	System Intact	
17G	06ALL_1	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	299.781	System Intact	
17G	06ALL_2	0	TO->FROM	G16_085	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.08369	299.7772	System Intact	
20WP	00NR_1	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05961	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0586	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0586	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.0586	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.4059	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.4009	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.3537	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07099	128.3512	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.381	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.3792	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_085	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09499	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.23178	116.175	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.23178	116.149	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_3	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.23178	116.0082	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	359.8	0.23178	115.9847	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.22179	108.0345	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.22179	108.0076	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.22179	107.8729	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.22179	107.8486	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.13885	127.4208	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.13885	127.3041	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.13885	127.1136	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.13885	126.9969	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.12389	104.4749	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.12389	104.4442	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.12389	104.1616	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.12389	104.1309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	148.7998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	148.7695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	148.249	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	148.2425	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	148.2188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	148.2122	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	147.6935	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	147.6633	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2687	140.9219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2687	140.8914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2687	140.3675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.2687	140.337	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2687	140.1583	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2687	140.1279	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2687	139.6066	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.2687	139.5763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.12082	110.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.12082	110.4925	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.12082	109.9629	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.12082	109.9459	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.12082	109.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.12082	109.82	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_085	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.12082	109.2933	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_3	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.12082	109.2764	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	106.0148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	105.9845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	105.6018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	105.5716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	105.4558	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.26624	105.4255	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	105.0446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	TOLK STATION (ABBNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.26624	105.0144	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	131.0267	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	131.014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	130.8501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	130.8374	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	105.0063	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	104.9936	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	104.8297	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.29709	104.817	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20986	103.6137	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20986	103.584	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20986	102.7305	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20986	102.7023	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	101.4047	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	101.4047	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	101.3736	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	101.3736	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_5	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20986	100.5233	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_6	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20986	100.4951	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20278	100.2708	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_2	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20278	100.2355	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_4	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	100.1796	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	100.1796	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_3	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	100.1485	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_085	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.20902	100.1485	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_7	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.69	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.69	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.6776	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.6776	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.6497	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.6497	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.6373	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	104.6373	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	TO->FROM	G16_085	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.03917	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6757	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6757	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6623	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6623	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6319	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6319	P12:345:SPS:J04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6185	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	113.6185	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.35	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.35	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.3366	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.3366	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.3063	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.3063	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.2929	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	113.2929	P12:345:SPSJ04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.03917	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_085	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.03917	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
17G	06NR_1	0	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.1206	123.5761	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.1206	123.4355	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.1206	123.4171	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.1206	123.2765	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.4052	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.3393	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.3347	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.2688	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2942	120.1986	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2942	120.1599	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2942	120.1349	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.2942	120.0962	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.9338	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_5	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.8678	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.8633	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	2	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.7973	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.12636	105.1707	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.12636	105.0265	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.12636	105.0145	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.12636	104.8703	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.0663	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.22231	117.0099	P12:345:SPSJ15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4208	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_6	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4208	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_6	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4208	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4208	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_8	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4053	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_8	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4053	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_8	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4053	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.4053	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_7	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.3177	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_7	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.3177	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_7	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.3177	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.10287	104.3177	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.22231	100.0249	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.22231	100.0078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.17938	107.1813	System Intact	
17G	06ALL_4	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.17938	107.1604	System Intact	
17G	06ALL_2	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.17938	107.1315	System Intact	
17G	06ALL_1	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.17938	107.1092	System Intact	
20L	06ALL_3	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.15518	104.203	System Intact	
20L	06ALL_2	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.15518	104.1545	System Intact	
20L	06ALL_4	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.15518	104.1165	System Intact	
20L	06ALL_1	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.7	0.15518	104.068	System Intact	
17G	06NR_3	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.26964	103.4744	System Intact	
17G	06NR_2	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.26964	103.4272	System Intact	
17G	06NR_4	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.26964	103.3329	System Intact	
17G	06NR_1	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.26964	103.2858	System Intact	
20SP	06ALL_3	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17611	103.0761	System Intact	
20SP	06ALL_2	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17611	103.0289	System Intact	
20SP	06ALL_4	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17611	102.9909	System Intact	
20SP	06ALL_1	2	FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.17611	102.9424	System Intact	
25SP	00NR_1	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09166	131.3242	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_4	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09166	131.3242	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_5	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09166	130.7331	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_8	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09166	130.7331	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_4	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10159	101.723	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_1	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10159	101.7171	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_5	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10159	100.8607	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_8	2	FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10159	100.8607	P12:115:SPS:T94.1.MADDOX.HOBBG	
17G	06NR_3	2	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.03417	115.1575	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.03417	115.0883	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.03417	107.0624	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.03417	106.9932	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.03417	106.7489	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.03417	106.6795	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.03417	101.7546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.03417	101.6862	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.22487	104.4882	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.22487	104.4855	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.22487	104.2813	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.2	0.22487	104.2786	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10225	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10225	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10225	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10225	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10225	111.8061	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8291	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8291	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4677	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08424	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_3	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5446	System Intact	
20L	06ALL_4	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5446	System Intact	
20L	06ALL_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5446	System Intact	
20L	06ALL_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5446	System Intact	
20L	06ALL_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5446	System Intact	
20L	06ALL_1	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5432	System Intact	
20L	06ALL_2	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5432	System Intact	
20L	06ALL_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04734	101.5432	System Intact	
17G	06NR_3	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7074	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.7074	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4037	System Intact	
16WP	06ALL_6	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4037	System Intact	
16WP	06ALL_7	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4037	System Intact	
16WP	06ALL_8	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4037	System Intact	
16WP	06ALL_1	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4024	System Intact	
16WP	06ALL_2	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4024	System Intact	
16WP	06ALL_3	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4024	System Intact	
16WP	06ALL_4	2	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06504	100.4024	System Intact	
17G	06NR_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	145.8632	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	145.7963	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	144.6998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	144.6248	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	143.7746	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	143.705	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	142.6112	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	142.5362	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	123.8333	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	123.7985	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21364	122.8999	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21364	122.8571	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	122.6668	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21364	121.7307	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21364	121.6906	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20576	114.8472	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20576	114.8097	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20576	113.4743	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	113.4508	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20576	113.4369	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	113.4133	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	112.0779	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	112.0378	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	111.7258	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	111.691	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	111.0253	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	110.9968	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	110.9959	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	110.9674	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17SP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21607	110.7505	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21607	110.7077	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	110.5593	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	110.5245	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21607	109.5814	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21607	109.5412	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	109.0562	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	109.0277	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	108.9983	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
16WP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21708	108.3736	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21708	108.3398	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20282	108.097	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20282	108.0606	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21634	107.3482	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21634	107.3092	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21708	107.2378	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21708	107.204	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20282	106.7619	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20282	106.7254	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	106.3913	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	106.3523	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21634	106.215	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.9	0.21634	106.1734	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2434	106.1238	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_2	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2434	106.1078	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20WP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	105.0535	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	105.0171	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_7	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	104.8852	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_7	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	104.8567	HOBBS - YOAKUM_345 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06ALL_6	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	104.8558	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_6	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	104.8273	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
20SP	06ALL_4	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2434	104.114	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_1	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2434	104.0953	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	103.3707	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	103.3011	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_8	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	102.9161	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_8	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	102.8876	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_5	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	102.8867	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_5	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.31093	102.8582	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	102.5607	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	102.4858	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_7	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2434	101.7938	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_6	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.2434	101.7751	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	101.2821	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.37057	101.2125	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	100.4721	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.3701	100.3972	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.527	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5243	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5108	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04516	101.5082	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	113.9919	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	113.9919	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	113.6075	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	113.6075	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	112.8923	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	112.8923	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	112.5079	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	112.5079	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	104.3827	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	104.3827	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	103.283	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07189	103.283	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16634	118.8904	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16634	118.8552	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16634	117.0862	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.16634	117.0509	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1653	116.8361	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1653	116.795	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1653	115.0318	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.6	0.1653	114.9907	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.9491	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.9483	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.9243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.9235	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_6	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.8765	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_5	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.8757	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_7	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.8518	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_8	2	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.1972	100.851	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	00NR_4	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	105.085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_1	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	105.0738	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	
17SP	00NR_3	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	103.9868	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	
17SP	00NR_2	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	103.9755	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	
17SP	00NR_4	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	102.6955	P12:115:LCEC:W56.1.HOBBG.LE-LVN	
17SP	00NR_1	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	102.6843	P12:115:LCEC:W56.1.HOBBG.LE-LVN	
17SP	00NR_3	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	101.5973	P12:115:LCEC:W56.1.HOBBG.LE-LVN	
17SP	00NR_2	2	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04064	101.5861	P12:115:LCEC:W56.1.HOBBG.LE-LVN	
25SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	113.0682	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	113.0628	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	111.5112	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	111.5058	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	111.3274	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	111.322	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	108.1114	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	108.106	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	107.074	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	107.0686	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	107.0163	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	107.0109	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.1	0.07412	106.8936	System Intact	
25SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.1	0.07412	106.8867	System Intact	
20SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	106.6458	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
20SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	106.6458	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	106.5544	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	106.549	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	106.3706	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	106.3652	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
25SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.5169	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.5115	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.4593	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.4539	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.3331	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.3277	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
25SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.2755	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
25SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.5	0.08175	105.2701	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
20SP	06ALL_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07463	105.1861	System Intact	
20SP	06ALL_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07463	105.1861	System Intact	
25SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.1	0.07412	105.1568	System Intact	
25SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.1	0.07412	105.1499	System Intact	
20SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	105.1205	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
20SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	105.1152	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
20SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	104.9345	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
20SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	104.9345	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1	
25SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.1	0.07412	104.8191	System Intact	
25SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.1	0.07412	104.8122	System Intact	
17G	06NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	104.7865	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	104.7706	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07463	103.5044	System Intact	
20SP	06ALL_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07463	103.4978	System Intact	
17G	06NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	103.414	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	103.3982	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11251	103.2826	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11251	103.2615	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07463	103.1762	System Intact	
20SP	06ALL_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07463	103.1694	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
25SP	06ALL_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07465	102.8773	System Intact	
25SP	06ALL_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07465	102.8773	System Intact	
20SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	102.0565	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	102.0565	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
17G	06NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11251	101.9049	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11251	101.8838	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07465	101.175	System Intact	
25SP	06ALL_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07465	101.1682	System Intact	
20SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	101.15	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
20SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	101.15	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
20SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	101.0934	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
20SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	101.0934	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
20SP	00NR_1	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	139.9	0.07446	101.0015	System Intact	
20SP	00NR_4	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	139.9	0.07446	100.9948	System Intact	
25SP	06ALL_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07465	100.8359	System Intact	
25SP	06ALL_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.3	0.07465	100.8359	System Intact	
20SP	00NR_5	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	100.5313	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_8	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	100.526	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_2	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	100.3453	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_3	2	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08213	100.3453	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
17G	06NR_1	2	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.12636	103.9461	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.12636	103.8149	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.12636	103.804	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.12636	103.6728	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.25526	123.9362	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.25526	123.8956	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.25526	123.7789	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.25526	123.7409	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	00NR_1	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7375	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_2	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7375	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_3	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7348	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_4	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7348	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_5	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7294	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_6	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7294	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_7	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7267	P12:345:AEPW:NWTKARK7:VALIANT7	
16WP	00NR_8	2	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7267	P12:345:AEPW:NWTKARK7:VALIANT7	
25SP	00NR_1	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	103.2254	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	103.2254	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	102.7993	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	102.7993	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	102.0063	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	102.0063	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	101.5801	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	2	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07189	101.5801	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19906	108.4368	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19906	108.3164	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19906	108.2067	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19906	108.0889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.7005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.5988	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.4757	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.374	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8292	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8094	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8094	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8002	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	134.8002	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4385	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4385	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4306	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4293	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4096	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4096	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4005	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	131.4005	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2772	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2772	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2681	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2668	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2497	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2497	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	130.2406	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0565	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0552	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0355	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0355	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0262	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07294	130.0262	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3731	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3665	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3652	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3639	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3625	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3573	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.356	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.1098	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.1098	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.102	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.1007	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.081	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.081	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.0718	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10575	126.0718	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9744	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9744	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9652	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9639	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9469	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9469	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9378	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10561	124.9378	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.561	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5596	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5504	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07548	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.8788	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10881	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7501	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7488	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7132	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7119	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.594	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.5927	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06019	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0675	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6516	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0599	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.1105	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9464	System Intact	
20L	06ALL_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9464	System Intact	
20L	06ALL_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9371	System Intact	
20L	06ALL_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9371	System Intact	
20L	06ALL_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9171	System Intact	
20L	06ALL_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9171	System Intact	
20L	06ALL_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9078	System Intact	
20L	06ALL_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05382	109.9078	System Intact	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6492	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6479	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6374	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.636	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0905	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3934	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3921	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3828	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3815	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3802	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3723	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.371	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	109.1283	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09714	109.0698	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.962	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.9607	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05938	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09452	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3906	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3892	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3814	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3801	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3604	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	108.3536	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08767	108.3512	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3452	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3361	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3164	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08962	108.3072	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.238	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.2288	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.2091	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0868	108.1999	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8405	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8313	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8115	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8102	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05731	107.8023	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.7343	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.7251	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.6962	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.6962	P13:138-24:AEPW:TURK 4	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.6092	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.6	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5789	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5697	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.553	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5438	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.5349	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.5257	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.5047	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08899	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	107.0012	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08176	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08257	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7846	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7832	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7754	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7741	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09528	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.7379	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.7366	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.7104	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.7091	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08856	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.3996	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.3983	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08545	106.3681	PARK LANE - SEMINOLE 138KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.3312	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.3312	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.3221	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.3037	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.2946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09175	106.2933	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1497	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1484	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1366	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1144	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09794	106.1013	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0452	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0366	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0366	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	106.0192	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.019	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	106.01	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	106.0085	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	105.989	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08345	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.9382	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.9291	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.912	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09027	105.9029	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.891	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8896	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8805	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8635	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.8543	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.8357	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.8252	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.8082	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.8069	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08982	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.5281	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.5268	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.5177	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5099	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5086	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5007	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.5006	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.5006	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4994	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.498	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4967	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.4915	G15066_T	345.00 - SOONER 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08782	105.4915	G15066_T	345.00 - SOONER 345KV CKT 1
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4888	G14-074T	345.00 - OKLAUNION 345KV CKT 1
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4875	G14-074T	345.00 - OKLAUNION 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.4032	P13-138-24:AEPW:TURK	4
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.4032	P13-138-24:AEPW:TURK	4
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.3941	P13-138-24:AEPW:TURK	4
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.3941	P13-138-24:AEPW:TURK	4
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.377	P13-138-24:AEPW:TURK	4
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.3757	P13-138-24:AEPW:TURK	4
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.3666	P13-138-24:AEPW:TURK	4
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.3666	P13-138-24:AEPW:TURK	4
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2954	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2954	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2875	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2875	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2744	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2744	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2666	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08236	105.2666	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.194	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.1927	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.1862	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06027	105.1849	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.0125	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.0125	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.0033	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	105.0033	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	104.9863	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	104.985	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	104.9758	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08509	104.9758	P13-138-24:AEPW:PIRKEY	4
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8367	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8367	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8275	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8275	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8105	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8092	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08338	104.8	P12-345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4781	P13-138-24:AEPW:TURK	4
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4767	P13-138-24:AEPW:TURK	4

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4675	P13:138-24:AEPW:TURK 4	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4675	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1612	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1599	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1245	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08433	104.1232	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9139	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7849	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7783	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6852	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6777	System Intact	
20L	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6777	System Intact	
20L	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6685	System Intact	
20L	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6685	System Intact	
20L	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6474	System Intact	
20L	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6474	System Intact	
20L	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6382	System Intact	
20L	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05687	103.6382	System Intact	
17G	06ALL_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5628	System Intact	
17G	06ALL_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5628	System Intact	
17G	06ALL_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5536	System Intact	
17G	06ALL_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5536	System Intact	
17G	06ALL_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5351	System Intact	
17G	06ALL_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5351	System Intact	
17G	06ALL_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5259	System Intact	
17G	06ALL_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08389	103.5259	System Intact	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1658	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1609	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1596	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1592	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1543	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.153	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1517	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1503	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1451	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1437	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.9017	System Intact	
20WP	06ALL_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.9017	System Intact	
20WP	06ALL_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.8924	System Intact	
20WP	06ALL_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.8924	System Intact	
20WP	06ALL_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.8713	System Intact	
20WP	06ALL_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.8713	System Intact	
20WP	06ALL_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.862	System Intact	
20WP	06ALL_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08521	102.862	System Intact	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9595	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.8602	System Intact	
20WP	00NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.8602	System Intact	
20WP	00NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.851	System Intact	
20WP	00NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.851	System Intact	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8353	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.8313	System Intact	
20WP	00NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.8313	System Intact	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.8221	System Intact	
20WP	00NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08418	101.8221	System Intact	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08787	101.8195	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6488	System Intact	
16WP	06ALL_2	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6488	System Intact	
16WP	06ALL_3	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6395	System Intact	
16WP	06ALL_4	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6395	System Intact	
16WP	06ALL_5	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6211	System Intact	
16WP	06ALL_6	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6211	System Intact	
16WP	06ALL_7	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6118	System Intact	
16WP	06ALL_8	2	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08924	100.6118	System Intact	
17G	06NR_1	2	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.12636	110.5067	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.12636	110.3758	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.12636	110.3649	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.12636	110.234	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.23805	126.1263	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.23805	126.0993	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.23805	125.9591	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.23805	125.9321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	139.7277	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	139.6105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	139.4192	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	139.3019	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12732	113.3822	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12732	113.3514	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12732	113.0675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12732	113.0366	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	105.6265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	105.5092	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	105.3179	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14356	105.2007	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14022	101.2989	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_4	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14022	101.2063	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_2	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14022	100.9039	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_3	2	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14022	100.8113	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_2	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.26913	128.7403	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.26913	128.7101	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.26913	128.6177	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.26913	128.5876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.26913	128.1888	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.26913	128.1587	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.26913	128.0666	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_085	TOLK STATION (ABBXLN844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.26913	128.0364	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	138.5537	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	138.4063	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	138.394	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	138.2466	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	118.5793	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_4	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	118.4626	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_2	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	118.2722	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_3	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	118.1616	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_5	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	113.6467	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_8	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	113.53	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_6	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	113.3396	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_7	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.15137	113.2228	P12:230:SPS:K10.1.LUBBS.WOLFTH	
17G	06NR_1	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.10808	108.401	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.10808	108.3519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.10808	108.229	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.10808	108.186	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	107.5143	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	107.3669	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	107.3546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.12636	107.2072	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.381	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.3105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	130.2445	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.29206	118.8082	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.29206	118.774	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.29206	118.7445	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.29206	118.7104	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.9095	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.8436	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.839	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	TO->FROM	G16_085	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.31374	102.7731	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.12636	105.1034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.12636	104.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.12636	104.9473	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.12636	104.8031	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06629	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06629	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06629	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06629	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06629	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06629	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.69	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_5		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.69	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_5		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.69	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_8		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6144	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_8		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6144	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_8		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6144	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_8		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6144	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_6		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6058	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_6		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6058	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_6		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6058	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_6		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.6058	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_7		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.5303	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_7		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.5303	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_7		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.5303	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_7		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09994	102.5303	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.22232	100.065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6		3 TO->FROM	G16_085	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.22232	100.0478	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.18852	105.9213	System Intact	
17G	06ALL_4		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.18852	105.8977	System Intact	
17G	06ALL_2		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.18852	105.8492	System Intact	
17G	06ALL_1		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.4	0.18852	105.8256	System Intact	
20L	06ALL_3		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.16349	102.2964	System Intact	
20L	06ALL_2		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.16349	102.2282	System Intact	
20L	06ALL_4		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.16349	102.2033	System Intact	
20L	06ALL_1		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.5	0.16349	102.1339	System Intact	
17G	06NR_3		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.28119	101.9379	System Intact	
17G	06NR_2		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.28119	101.8711	System Intact	
17G	06NR_4		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.28119	101.7859	System Intact	
17G	06NR_1		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.28119	101.7178	System Intact	
20SP	06ALL_3		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.18541	100.8797	System Intact	
20SP	06ALL_2		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.18541	100.8102	System Intact	
20SP	06ALL_4		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.18541	100.7853	System Intact	
20SP	06ALL_1		3 FROM->TO	G16_085	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.2	0.18541	100.7171	System Intact	
25SP	00NR_1		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09152	131.4416	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_4		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09152	131.4356	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_5		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09152	130.7908	P12:115:SPS:T94.1.MADDOX.HOBBG	
25SP	00NR_8		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	157.1	0.09152	130.7908	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_1		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10125	101.9517	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_4		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10125	101.9517	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_8		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10125	101.0307	P12:115:SPS:T94.1.MADDOX.HOBBG	
17SP	00NR_5		3 FROM->TO	G16_085	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	159.9	0.10125	101.0248	P12:115:SPS:T94.1.MADDOX.HOBBG	
17G	06NR_3		3 FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.03417	115.1415	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4		3 FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.03417	115.0823	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2		3 FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.03417	107.055	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1		3 FROM->TO	G16_085	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.03417	106.9859	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3		3 FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.03417	106.8546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4		3 FROM->TO	G16_085	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.03417	106.7951	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3		3 TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.03417	101.8588	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4		3 TO->FROM	G16_085	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.03417	101.8002	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4		3 FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22795	106.8406	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3		3 FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22795	106.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1		3 FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22795	106.6444	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2		3 FROM->TO	G16_085	G13_027T 230.00 - TOLK STATION WEST 230KV CKT 1	349.1	0.22795	106.6417	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1		3 TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10221	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2		3 TO->FROM	G16_085	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.10221	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08111	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	104.8176	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07056	102.4562	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08423	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4889	System Intact	
20L	06ALL_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4889	System Intact	
20L	06ALL_1	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4875	System Intact	
20L	06ALL_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4875	System Intact	
20L	06ALL_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4875	System Intact	
20L	06ALL_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4875	System Intact	
20L	06ALL_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4875	System Intact	
20L	06ALL_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04733	101.4875	System Intact	
17G	06NR_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08587	100.6959	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4037	System Intact	
16WP	06ALL_8	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4037	System Intact	
16WP	06ALL_2	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4024	System Intact	
16WP	06ALL_3	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4024	System Intact	
16WP	06ALL_4	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4024	System Intact	
16WP	06ALL_5	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4024	System Intact	
16WP	06ALL_6	3	FROM->TO	G16_085	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06503	100.4024	System Intact	
17G	06NR_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	145.8216	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	145.7547	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	144.3828	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	144.3052	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	143.7336	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	143.664	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	142.2948	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	142.2172	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	123.8618	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	123.827	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	122.6953	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21341	122.6743	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21435	122.6606	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21341	122.6315	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21341	121.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21341	121.465	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20588	115.0068	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20588	114.9694	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20588	113.6339	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20588	113.5965	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	113.4508	P12:345:SPSJ15.1.XRDS.TOLK	
20SP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	113.4133	P12:345:SPSJ15.1.XRDS.TOLK	
20SP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	112.0779	P12:345:SPSJ15.1.XRDS.TOLK	
20SP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.20448	112.0378	P12:345:SPSJ15.1.XRDS.TOLK	
17SP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	111.7258	P12:345:SPSJ15.1.XRDS.TOLK	
17SP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	111.691	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	111.563	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	111.5443	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	111.5345	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	111.5157	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17SP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	110.5593	P12:345:SPSJ15.1.XRDS.TOLK	
17SP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21681	110.5245	P12:345:SPSJ15.1.XRDS.TOLK	
17SP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21583	110.4938	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21583	110.451	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	109.6019	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	109.5832	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	109.5734	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	109.5547	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17SP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21583	109.3273	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.21583	109.2845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21708	108.4036	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21708	108.3698	P12:345:SPSJ15.1.XRDS.TOLK	
20WP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20294	108.2497	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20294	108.2158	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21708	107.2675	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21611	107.1033	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	107.0878	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	107.0825	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
16WP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21611	107.0617	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20294	106.9145	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20294	106.8807	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	106.3913	P12:345:SPSJ15.1.XRDS.TOLK	
20WP	06ALL_2	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	106.3523	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.8	0.21611	105.9698	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	105.0833	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	105.078	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_4	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	105.0535	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	06ALL_1	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	360.4	0.20158	105.0171	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_7	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	104.9601	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_6	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	104.944	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_7	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	104.9315	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_6	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	104.9155	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	103.3412	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	103.2716	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_8	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	102.999	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_5	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	102.9829	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06ALL_8	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	102.9705	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
17G	06ALL_5	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.6	0.30607	102.9544	HOBBS - YOAKUM_345 345.00 345KV CKT 1	
20SP	06ALL_7	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	102.3965	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_6	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	102.3884	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	102.3522	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	102.2772	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	101.2532	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.37057	101.1836	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_8	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	100.3893	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
20SP	06ALL_5	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.5	0.24064	100.384	HOBBS (HUPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	100.2642	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_085	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.36971	100.1892	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.4552	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.3959	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04497	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
25SP	00NR_1	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	114.2102	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	114.2102	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	113.8898	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	113.8898	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	113.0144	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	113.0144	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	112.6941	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	112.6941	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	104.6009	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_4	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	104.6009	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_5	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	103.4051	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
25SP	00NR_8	3	FROM->TO	G16_085	HOBBS INTERCHANGE - MILLEN SUB 115KV CKT 1	156.1	0.07162	103.4051	OXY PERMIAN SUB - WEST BENDER SUB 115KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16634	118.816	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16634	118.7808	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16634	117.0129	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16634	116.9776	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16506	116.3148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16506	116.2678	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16506	114.5116	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	JOHNSON DRAW - TAYLOR SWITCHING STATION 115KV CKT 1	159.7	0.16506	114.4646	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.9089	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_2	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.9089	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_3	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.885	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_4	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.8842	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17SP	06ALL_6	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.8332	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17SP	06ALL_5	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.8324	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17SP	06ALL_7	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.8084	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17SP	06ALL_8	3	TO->FROM	G16_085	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1176	0.197	100.8084	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17SP	00NR_4	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	105.5555	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
17SP	00NR_1	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	105.5443	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
17SP	00NR_3	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	104.4572	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
17SP	00NR_2	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	104.446	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1
17SP	00NR_4	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	103.2855	P12:115:LCEC:W56.1.HOBBG.LE-LVN
17SP	00NR_1	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	103.2743	P12:115:LCEC:W56.1.HOBBG.LE-LVN
17SP	00NR_3	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	102.1872	P12:115:LCEC:W56.1.HOBBG.LE-LVN
17SP	00NR_2	3	FROM->TO	G16_085	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	83.7	0.04016	102.176	P12:115:LCEC:W56.1.HOBBG.LE-LVN
25SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	113.3055	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	113.2947	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	111.6143	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	111.6035	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	111.5603	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	111.5549	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	108.3516	P12:115:SPS:V98.1.CUNN.LE-SNANDR
25SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	108.3408	P12:115:SPS:V98.1.CUNN.LE-SNANDR
25SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	107.3724	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
25SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	107.3616	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
25SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	107.3148	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	107.304	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.2	0.07375	107.2466	System Intact
25SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.2	0.07375	107.2397	System Intact
20SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	106.9433	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	106.938	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	106.6604	P12:115:SPS:V98.1.CUNN.LE-SNANDR
25SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	106.6496	P12:115:SPS:V98.1.CUNN.LE-SNANDR
25SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	106.6064	P12:115:SPS:V98.1.CUNN.LE-SNANDR
25SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	106.601	P12:115:SPS:V98.1.CUNN.LE-SNANDR
20SP	06ALL_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07426	105.684	System Intact
25SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.6812	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
20SP	06ALL_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07426	105.6706	System Intact
25SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.6704	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
25SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.6271	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
25SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.6236	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.6217	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1
25SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.6127	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.5695	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	173.6	0.08133	105.5641	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1
25SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.2	0.07375	105.3664	System Intact
25SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.2	0.07375	105.3595	System Intact
20SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	105.2799	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	105.2745	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	105.232	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
20SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	105.2214	BUCKEYE TAP - LE-TXACO_TP3115.00 115KV CKT 1
25SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.2	0.07375	105.1736	System Intact
25SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	136.2	0.07375	105.1667	System Intact
17G	06NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	104.7865	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	104.7759	P12:345:SPS:J15.1.XRDS.TOLK
20SP	06ALL_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07426	103.8482	System Intact
20SP	06ALL_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07426	103.8415	System Intact
20SP	06ALL_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07426	103.6673	System Intact
20SP	06ALL_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	140	0.07426	103.6539	System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	103.414	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11341	103.3982	P12:345:SPSJ15.1.XRDS.TOLK	
25SP	06ALL_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.4	0.07428	103.3789	System Intact	
25SP	06ALL_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.4	0.07428	103.3653	System Intact	
17G	06NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11233	103.0188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11233	102.9977	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	102.354	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	102.3487	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
17G	06NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11233	101.6411	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	177.7	0.11233	101.62	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
25SP	06ALL_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.4	0.07428	101.5218	System Intact	
25SP	06ALL_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.4	0.07428	101.5151	System Intact	
20SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	101.4475	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
20SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	101.4422	LE-TXACO_TP3115.00 - LEA COUNTY REC-SAN ANDRES INTERCHANGE 115KV CKT 1	
20SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	101.3909	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
20SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	101.3855	LEA COUNTY REC-SAN ANDRES INTERCHANGE 115/69KV TRANSFORMER CKT 1	
20SP	00NR_1	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	139.9	0.07409	101.3568	System Intact	
20SP	00NR_4	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	139.9	0.07409	101.3434	System Intact	
25SP	06ALL_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.4	0.07428	101.3389	System Intact	
25SP	06ALL_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	138.4	0.07428	101.3253	System Intact	
20SP	00NR_5	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	100.6906	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_8	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	100.6853	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_2	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	100.6428	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
20SP	00NR_3	3	FROM->TO	G16_085	LE-WEST_SUB3115.00 - LEA COUNTY REC-LOVINGTON INTERCHANGE 115KV CKT 1	176.5	0.08171	100.6322	P12:115:SPS:V98.1.CUNN.LE-SNANDR	
17G	06NR_1	3	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.12636	103.8856	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.12636	103.7544	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.12636	103.7435	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.12636	103.6124	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.25527	123.8315	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.25527	123.7908	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.25527	123.6743	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.25527	123.6364	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	00NR_2	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7315	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_1	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7306	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_3	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7279	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_4	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7279	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_5	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7225	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_6	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7225	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_7	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7198	P12:345:AEPW:NWTXARK7:VALIANT7	
16WP	00NR_8	3	TO->FROM	G16_085	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07448	102.7189	P12:345:AEPW:NWTXARK7:VALIANT7	
25SP	00NR_1	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	103.4674	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	103.4674	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_1	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	103.1123	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_4	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	103.1123	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	102.1417	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	102.1417	MADDOX STATION - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_5	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	101.7865	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
25SP	00NR_8	3	FROM->TO	G16_085	MILLEN SUB - NORTHEAST HOBBS SUB 115KV CKT 1	140.8	0.07162	101.7865	OXY PERMIAN SUB - SANGER SWITCHING STATION 115KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20007	109.2519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20007	109.1288	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20007	109.0244	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.20007	108.9013	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.7575	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.6558	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.53	P12:345:SPSJ15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	3	TO->FROM	G16_085	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1	350.5	0.19563	104.4284	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.272	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2707	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07293	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3652	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3639	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10571	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9783	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9783	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9692	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9495	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9495	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10559	124.9404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10351	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07547	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.3284	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.3284	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.3166	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.3166	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.2876	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.2863	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.2744	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	115.2744	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10876	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7426	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7413	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06461	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5957	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5944	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5865	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5852	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5536	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06018	111.5536	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.3983	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.3969	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06748	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6857	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6844	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6765	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6752	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05989	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.0862	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.11047	110.0849	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.9632	System Intact	
20L	06ALL_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.9632	System Intact	
20L	06ALL_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.9539	System Intact	
20L	06ALL_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.9539	System Intact	
20L	06ALL_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.9313	System Intact	
20L	06ALL_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.9313	System Intact	
20L	06ALL_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.922	System Intact	
20L	06ALL_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05379	109.922	System Intact	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6413	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6294	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10665	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09046	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3947	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3947	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3828	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3815	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.3723	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	109.371	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05729	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.1249	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.1249	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	109.1195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.1131	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.1131	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.083	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.0712	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09709	109.0712	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	109.0074	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	109.0061	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05937	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06134	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5824	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5811	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09449	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3864	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3851	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3641	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08764	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08958	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2327	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2314	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08677	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.8238	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.8225	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0573	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.7369	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.7369	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.729	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.7277	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.7067	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.6976	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.6976	P13:138-24:AEPW:TURK 4	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5456	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5456	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.5388	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.5375	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5364	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5364	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.5296	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.5283	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.514	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20L	06NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	107.5048	FANCY POINT - RIVER BEND 230KV CKT 1	
20WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08896	107.4968	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.3313	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.3235	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.3221	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.3012	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	107.292	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	107.0275	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	107.0196	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08173	106.996	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9457	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9366	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9156	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08254	106.9064	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_1		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_2		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.8011	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_3		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_4		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.792	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.7736	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09525	106.7645	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_1		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_2		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7405	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7313	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7117	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7025	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08853	106.7012	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.4114	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.4022	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_8		3 TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08541	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3399	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3386	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3203	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.319	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09173	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1676	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1663	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1545	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1545	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1296	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1296	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1165	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0979	106.1165	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0399	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0386	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0111	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.0098	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9469	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9456	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09024	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8396	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8383	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08979	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08779	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09466	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.398	P13-138-24:AEPW:TURK 4	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.3967	P13-138-24:AEPW:TURK 4	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.3692	P13-138-24:AEPW:TURK 4	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.3679	P13-138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2993	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2993	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2915	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2915	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.277	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2757	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2692	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08235	105.2679	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.06025	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.0073	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	105.0059	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	104.9876	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	104.9876	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	104.9785	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	104.9772	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8406	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8406	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8301	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8301	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8118	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8118	P12-345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08336	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4794	P13:138-24:AEPW:TURK 4	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4688	P13:138-24:AEPW:TURK 4	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	104.4688	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.0843	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9165	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9086	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.8994	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7876	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.7037	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.7024	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6958	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6865	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6703	System Intact	
20L	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6703	System Intact	
20L	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6611	System Intact	
20L	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6611	System Intact	
20L	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6387	System Intact	
20L	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6387	System Intact	
20L	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6294	System Intact	
20L	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05686	103.6294	System Intact	
17G	06ALL_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5642	System Intact	
17G	06ALL_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5642	System Intact	
17G	06ALL_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5549	System Intact	
17G	06ALL_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5549	System Intact	
17G	06ALL_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5351	System Intact	
17G	06ALL_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5351	System Intact	
17G	06ALL_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5259	System Intact	
17G	06ALL_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08385	103.5259	System Intact	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.3893	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.0894	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1685	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.167	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1657	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08773	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1591	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08607	103.1578	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9192	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9192	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08286	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.903	System Intact	
20WP	06ALL_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.903	System Intact	
20WP	06ALL_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.8937	System Intact	
20WP	06ALL_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.8937	System Intact	
20WP	06ALL_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.8713	System Intact	
20WP	06ALL_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.8713	System Intact	
20WP	06ALL_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.862	System Intact	
20WP	06ALL_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08517	102.862	System Intact	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2313	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2247	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2221	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2155	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9621	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9516	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.945	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08429	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8628	System Intact	
20WP	00NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8628	System Intact	
20WP	00NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8549	System Intact	
20WP	00NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8536	System Intact	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8514	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8448	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8435	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8422	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.8379	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8356	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08566	101.8343	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8326	System Intact	
20WP	00NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8313	System Intact	
17G	06NR_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8234	System Intact	
20WP	00NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08414	101.8234	System Intact	
17G	06NR_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08788	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6642	System Intact	
16WP	06ALL_3	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6549	System Intact	
16WP	06ALL_4	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6549	System Intact	
16WP	06ALL_5	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6351	System Intact	
16WP	06ALL_6	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6351	System Intact	
16WP	06ALL_7	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6259	System Intact	
16WP	06ALL_8	3	TO->FROM	G16_085	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0892	100.6259	System Intact	
17G	06NR_1	3	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.12636	110.4425	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.12636	110.3117	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.12636	110.3008	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_085	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.12636	110.1699	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.23806	126.0353	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.23806	126.011	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.23806	125.868	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_085	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.23806	125.8411	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	139.6619	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	139.5447	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	139.3534	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	139.2361	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12503	109.3128	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12503	109.3004	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12503	108.998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.12503	108.9857	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	105.5607	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	105.4435	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	105.2522	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_085	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.14357	105.1349	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	138.463	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	138.3157	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	138.3034	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	138.1561	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	115.5524	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	115.4665	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	115.2455	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	115.1657	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	110.6599	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	110.5739	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	110.3529	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.14723	110.267	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	107.4439	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	107.2966	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	107.2843	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.12636	107.137	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.1054	103.6437	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.1054	103.6192	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.1054	103.478	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_085	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.1054	103.4534	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	127.9686	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	127.9027	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	127.9005	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	127.8323	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.03102	118.9203	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.03102	118.8816	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.03102	118.8566	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.03102	118.818	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	100.7946	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_5	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	100.7287	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	100.7264	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	0	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.7	0.0494	100.6605	P12:345:SPSJ15.1.XRDS.TOLK	
20L	06NR_1	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5609	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5609	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5506	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5506	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5335	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5335	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5233	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	119.5233	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3634	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3634	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3599	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3531	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3497	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	115.3497	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.4128	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.4026	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.4026	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.3855	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.3752	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.2	0.03741	112.3752	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9938	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9904	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9835	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	ANADARKO - GRACMNT4 138.00 138KV CKT 1	274.1	0.04998	107.9801	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	122.1375	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	122.124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	121.734	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	121.7206	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	115.0004	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	114.9951	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	114.607	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	114.599	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.7394	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.7341	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.7073	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.702	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.2979	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.2925	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.2658	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.11935	106.2604	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	103.8456	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	103.8321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	103.442	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.16761	103.4286	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	103.3048	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	103.3021	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	103.0116	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	103.0089	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	102.8448	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	102.8421	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	102.5516	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.7	0.14127	102.5489	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	100.6079	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	100.6026	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_5	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	100.2119	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_086	BUSHLAND INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.5	0.13637	100.2065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.08057	121.3082	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.08057	121.2493	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.08057	113.2822	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.08057	113.2135	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07265	111.8083	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07265	111.7788	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07265	103.8623	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07265	103.8329	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07093	102.0666	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07093	102.0568	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20L	06NR_7	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07093	100.8978	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.5	0.07093	100.8781	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.08057	100.5073	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_8	0	TO->FROM	G16_086	CARGILL SUB - DEAF SMITH REC-#24 115KV CKT 1	95.6	0.08057	100.4387	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_086	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.08057	111.6091	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	FROM->TO	G16_086	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.08057	111.5496	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_086	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.08057	103.4897	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	FROM->TO	G16_086	CARGILL SUB - FRIONA SUB 115KV CKT 1	94.5	0.08057	103.4202	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	146.7723	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.021	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09971	145.0167	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.5039	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.5039	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.5018	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.5018	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.4975	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.4975	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.4932	P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	130.4932	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.707	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.707	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.7048	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.7027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.6984	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.6984	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.6941	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	128.6941	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9753	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9753	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9711	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9668	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9668	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9625	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07762	126.9625	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.9173	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.9173	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.9151	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.9151	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.913	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.913	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.9109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.09113	125.9109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7355	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7355	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7291	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7291	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7248	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	124.7248	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.648	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.648	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.6459	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.6416	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.08629	118.6373	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7642	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7615	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7589	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	116.7562	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	116.0017	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	115.9996	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	115.9911	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.07683	115.9889	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8458	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8436	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8265	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	115.8223	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3373	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3352	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	112.3309	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7809	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7788	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.10105	110.7745	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7265	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7243	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7222	REDHIL-HVB1 138.00 138/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7037	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.7015	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	110.6994	RED HILLS WIND - REDHIL-HVB1 138.00 138KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.3092	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.3071	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.29	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	110.2857	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8066	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8044	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.8002	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3138	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3138	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3095	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3095	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3073	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3073	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3031	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07459	109.3031	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0998	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0976	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07212	109.0934	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6565	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6523	P12:345:SPSJ04.1.FINN.HOLC(534)	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.6523	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3829	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.07223	108.3787	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20SP	00NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2187	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2134	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2081	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20SP	00NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.4	0.09875	106.2027	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5429	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5387	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5323	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	439	0.09876	105.5301	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.4081	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.406	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.3889	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06889	104.3846	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.9681	System Intact	
17G	06NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.9681	System Intact	
17G	06NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.9681	System Intact	
17G	06NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.9681	System Intact	
17G	06NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.966	System Intact	
17G	06NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.966	System Intact	
17G	06NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.9639	System Intact	
17G	06NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.6	0.06614	100.9639	System Intact	
17SP	00NR_7	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.8061	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.8035	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.8008	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_1	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	352.8	0.10755	100.7982	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3871	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3571	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3421	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.34	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.09862	141.3121	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.2085	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.1679	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.1658	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.1636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.123	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.07845	129.1209	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.8858	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.8836	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.8643	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.8622	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.8172	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.8151	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.7958	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.7937	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.5662	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.5641	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.5448	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.5426	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.4977	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.4955	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.4763	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	438.1	0.07252	106.4741	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	101.11	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	101.1079	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	101.0438	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	101.0416	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	101.0074	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	101.0053	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.9412	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.9391	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.8139	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.8118	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.7477	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.7455	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.7113	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.7092	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.6451	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	439	0.06061	100.643	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2834	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2827	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2717	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2709	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2535	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2527	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.2417	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	133.241	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.5159	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.4994	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.4986	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.4884	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.4718	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.28858	126.4711	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.6272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.6264	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.6154	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.6146	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.5973	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.5965	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.5855	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	124.5847	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.6072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.6064	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.5796	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.5789	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.5521	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.24158	120.5513	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0922	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0914	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0623	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0615	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0489	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0481	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.0198	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	119.019	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4425	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4417	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4307	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4299	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4126	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4118	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4008	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.26843	115.4	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.5228	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.5196	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.5141	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.22601	111.511	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9768	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.976	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9469	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9461	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9336	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9328	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9045	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	110.9037	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21631	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21631	110.0518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0649	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0547	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0547	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0507	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0507	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0405	P12:230:SPS:K53.1.NICHLS.GRAPE	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.20956	103.0405	P12:230:SPS:K53.1.NICHLS.GRAPE	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2914	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2906	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2615	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2607	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2481	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2473	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.219	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.20679	102.2182	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.645	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.6356	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.6316	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
17G	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.2	0.21077	101.6222	P12:230:SPS:K73.1.GRAPE.WEELR	
20L	06NR_5	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.5193	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.5153	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.513	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	1192.8	0.17641	100.509	CHISHOLM6 230.00 - SWEETWATER 230KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.8509	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.8501	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.8297	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.7927	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.7919	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	157.7722	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.3763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.3755	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.3559	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.3551	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.3181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.3173	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.29424	154.2976	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.4628	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.4416	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.3959	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.3951	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	147.3747	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	144.0163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	144.0163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	143.9958	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	143.995	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	143.9494	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	143.9486	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	143.9282	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.28156	143.9282	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4996	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.498	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4697	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4681	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4446	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4438	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4147	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	142.4139	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.24	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.2384	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.2101	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.2085	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.185	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.1842	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.1551	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.23773	139.1543	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.7016	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.7008	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.7001	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.6993	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.6718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.671	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	137.6702	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.8537	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.8529	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.8239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.8231	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.787	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.7862	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.7571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	135.7563	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.4188	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.418	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.4173	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.4165	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.389	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.3882	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.24232	134.3874	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.7546	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.7538	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.7247	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.7239	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.6877	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.687	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.6714	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.6706	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.6579	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	132.6571	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.6415	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.6408	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.6046	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.6039	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.5748	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.22799	132.574	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.7871	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.7871	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.7698	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.769	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.7383	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.7383	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.721	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.26431	130.7202	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.6028	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.6021	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.573	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.5722	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.536	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.5352	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.5061	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193	0.19987	129.5054	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.7304	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.7304	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.7194	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.7186	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.6989	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.6982	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.6871	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	128.6871	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4981	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4973	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.48	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4792	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4415	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4407	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4234	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2614	127.4226	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.6212	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.6204	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.6054	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.5763	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.5613	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23573	126.5605	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5859	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5851	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5772	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5764	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.574	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5732	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5653	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	125.5645	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.534	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.523	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.5222	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.5026	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.5018	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	124.4908	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1996	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1886	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1878	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1681	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1673	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23666	123.1563	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4666	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4658	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4579	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4571	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4547	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4539	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.23211	121.4452	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1715	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1631	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1631	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1589	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1505	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1505	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1353	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1269	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1269	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1227	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1143	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.23487	121.1143	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.7164	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.7156	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.703	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.6904	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2378	120.6778	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1827	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1819	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1677	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1418	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1277	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21001	120.1269	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.8036	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.7879	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.7596	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.7446	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.2301	119.7438	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4601	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4593	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4451	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4183	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4175	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4034	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.4026	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.3342	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.3334	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.3192	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2924	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2917	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2775	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2767	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2418	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2411	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2269	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.2001	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.1993	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.1852	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	119.1844	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.1054	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.1046	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.0912	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.0904	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.0653	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	119.0511	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.9962	P12:138:WFEC:MSL03	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.9805	P12:138:WFEC:MSL03	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.9797	P12:138:WFEC:MSL03	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.9435	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.9427	P12:138:WFEC:MSL03	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.927	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22506	118.927	P12:138:WFEC:MSL03	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.9239	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.9231	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.921	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.9202	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.9105	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.9097	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.9069	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.9061	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.8853	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.8853	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.8809	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.8809	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.8719	P12:345:SPSJ04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22856	118.8719	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.8668	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.20958	118.8668	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7802	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7795	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7653	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7653	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7385	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7377	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7236	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.22333	118.7228	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.5821	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.5805	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.5719	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.5711	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.568	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.5672	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.5586	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21623	115.557	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6813	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6805	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6727	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6719	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6672	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6664	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6585	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.6578	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5818	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5818	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5684	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5684	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5511	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5511	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5378	P12:345:SPSJ06.1.POTTER.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.23003	114.5378	P12:345:SPSJ06.1.POTTER.HITCH	
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.5055	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.5047	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.4968	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.496	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.4913	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.4905	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.4827	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.2158	114.4819	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0851	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0851	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0709	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0701	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0441	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0441	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.03	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1191.5	0.21801	114.0292	System Intact	
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.8801	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.8786	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.8518	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.8378	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.837	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.8337	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.833	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.8244	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.807	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.21094	113.8062	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.7935	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	113.7808	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3699	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3542	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3196	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3047	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20199	113.3039	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8548	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8548	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8548	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8407	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8407	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.8407	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.81	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.81	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.81	P12:345:SPS:WALKEMEYER-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.7958	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.7958	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.22274	112.7958	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.6139	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.5982	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.5974	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.562	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.5612	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.2199	112.5455	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4843	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4694	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4686	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.4496	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4348	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.4339	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.4199	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.3993	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.3836	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.349	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.3333	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.3333	P12:138:WFEC:MSL01	
20WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.3168	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.3168	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.3019	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.3011	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2987	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2829	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2829	P12:138:WFEC:MSL01	
20WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.2673	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.2673	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.2524	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20153	112.2524	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2232	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.2075	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.1729	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	112.1572	POCASSETT - TUTTLE 138KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.7117	BRIDGECR 138.00 - TUTTLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.7117	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.696	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.696	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.6613	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.6613	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.6456	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.21339	111.6456	BRIDGEGR	138.00 - TUTTLE 138KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.4876	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.4869	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.4837	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.4829	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.468	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.468	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.4641	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	111.4633	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.8752	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.8744	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.8485	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.8477	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.8194	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.8186	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.7927	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.20984	110.7919	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.7953	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.7945	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.7818	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.7818	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.751	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.751	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.7383	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1184.9	0.19448	109.7383	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
25SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.4726	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.4718	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.4514	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.4506	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.4051	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.4043	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.3839	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
25SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	108.3839	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1948	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1932	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1924	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1909	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1681	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1673	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1657	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.21586	108.1649	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.4176	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.4168	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.4137	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.4129	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.398	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.398	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.3941	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	107.3933	G11_051T	345.00 - TATONGA7 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3412	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3412	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3365	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3365	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3341	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3341	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3293	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	107.3293	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.2398	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.239	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.2241	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.2241	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.1902	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.1902	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.1753	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1192.5	0.20831	107.1745	System Intact	
17G	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6803	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6795	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6724	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6716	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6668	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.666	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6589	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.22694	106.6581	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.3477	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.347	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.3462	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.3305	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.3297	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1972	106.3289	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1363	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1355	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1324	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1316	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.1127	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.1	0.1963	106.112	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.8321	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.8314	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.8109	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.8102	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.7646	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.7638	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1194.9	0.29099	104.7434	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8765	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8718	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8694	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	102.8647	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6214	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6167	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6143	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6143	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6095	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1187.1	0.20287	101.6095	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_2	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.1107	System Intact	
17G	06ALL_1	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.1099	System Intact	
17G	06ALL_3	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.0879	System Intact	
17G	06ALL_4	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.0879	System Intact	
17G	06ALL_6	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.0714	System Intact	
17G	06ALL_5	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.0706	System Intact	
17G	06ALL_7	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.0494	System Intact	
17G	06ALL_8	0	TO->FROM	G16_086	CIMARRON - MINCO 345KV CKT 1	1193.4	0.17767	101.0486	System Intact	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0782	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	150.0732	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3944	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.041	148.3893	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7679	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7628	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	132.7577	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2868	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2818	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2767	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	130.2717	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4943	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	129.4881	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7226	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7176	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7125	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	185.4	0.03115	128.7075	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5533	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5482	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	127.5431	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5692	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03523	124.5641	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7808	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7757	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	122.7706	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0672	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.0621	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03511	122.057	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.0872	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.0821	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	119.077	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.084	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0789	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0789		CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0789		CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0789		CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0297		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0297		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0297		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0297		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0246		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0246		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0246		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	118.0246		P12:138:AEPW:HOB-JCT4:ELKCTY-4
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	118.0008		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	118.0008		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	118.0008		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	118.0008		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	117.9957		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	117.9957		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	117.9906		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03114	117.9906		G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4865		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4865		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4865		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4865		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4814		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4814		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4814		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03116	117.4814		CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0725		CIMARRON - MINCO 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0725		CIMARRON - MINCO 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0725		CIMARRON - MINCO 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0725		CIMARRON - MINCO 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0725		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0674		CIMARRON - MINCO 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0674		CIMARRON - MINCO 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03024	115.0674		CIMARRON - MINCO 345KV CKT 1
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8117		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8117		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8117		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8117		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8055		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8055		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8055		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.04349	114.8055		CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6601		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6601		P12:138:WFEC:MSL14
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6601		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6601		P12:138:WFEC:MSL14
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		P12:138:WFEC:MSL14
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		P12:138:WFEC:MSL14
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		P12:138:WFEC:MSL14
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.655		P12:138:WFEC:MSL14

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6499		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6499		P12:138:WFEC:MSL14
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6499		MOREWOOD SW - NINE MILE 138KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	184.1	0.03079	114.6499		P12:138:WFEC:MSL14
16WP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4113		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4113		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4113		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4113		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4063		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4063		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4063		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
16WP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	113.4063		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1808		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1808		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1746		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1746		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1684		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1684		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1622		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.4	0.03915	113.1622		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.832		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.832		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.832		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.832		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.8258		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.8258		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.8258		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	110.8258		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5126		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5126		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5126		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5126		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5002		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5002		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5002		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	109.5002		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7976		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7976		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7976		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7976		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7914		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7914		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7914		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	106.7914		G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2296		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2296		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2296		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2296		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2172		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2172		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2172		G14-074T 345.00 - OKLAUNION 345KV CKT 1
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03736	103.2172		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20WP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2862		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20WP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2862		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20WP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2812		G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2812	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2763	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2763	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188.2	0.0392	102.2713	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.6027	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	188	0.04166	101.5978	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9353	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9291	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03042	100.9229	DEWEY - SOUTHARD 138KV CKT 1	
17SP	00NR_3	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_4	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_7	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_8	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3823	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_1	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_2	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_5	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	00NR_6	0	TO->FROM	G16_086	CLINTON JUNCTION - ELK CITY 138KV CKT 1	151.2	0.03307	100.3761	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	109.7352	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	109.729	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	109.7247	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_4	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	109.719	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3518	108.7732	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3518	108.7622	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3518	108.7145	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_4	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.3518	108.7036	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_6	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	108.6572	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_7	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	108.651	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_5	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	108.6467	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17SP	06ALL_8	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1966.4	0.25371	108.6409	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.34703	107.7443	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.34703	107.728	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.34703	107.6904	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_4	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.34703	107.6742	P12:345:SPS:J15.1.XRDS.TOLK	
20SP	06ALL_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	107.2755	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	107.2736	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	107.2684	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_4	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	107.2665	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_6	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	106.135	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_7	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	106.1331	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_5	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	106.1278	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20SP	06ALL_8	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1968	0.25046	106.1259	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06ALL_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1964.7	0.20676	100.7238	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06ALL_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1	1964.7	0.20676	100.7133	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20L	06NR_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	115.7453	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	115.6932	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	115.6631	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.06256	113.092	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.06256	113.0617	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.06256	113.0113	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	558.2	0.06256	112.9811	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	112.8563	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	112.8261	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	112.7757	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.06256	112.7455	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	105.4665	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	105.4008	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	105.3805	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	105.3147	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	105.1479	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	105.0823	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	105.0621	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	104.9965	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	103.4091	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	103.3433	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	103.3231	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	556.2	0.06455	103.2573	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	103.0956	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	103.03	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	103.0098	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	CRAWFISH_DR 345.00 (TUCO_2 XFMR) 345/230/13.2KV TRANSFORMER CKT 1	557.6	0.06455	102.9442	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	117.6952	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	117.666	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	117.6128	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	117.5853	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	114.4186	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	114.3911	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	114.3379	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.05551	114.3087	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05372	101.0742	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05372	100.9964	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05372	100.986	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	542.5	0.05372	100.9099	CRAWFISH_DR 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06ALL_3	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.03672	108.2192	System Intact
17G	06ALL_4	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.03672	108.1982	System Intact
17G	06ALL_2	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.03672	108.1681	System Intact
17G	06ALL_1	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	714.8	0.03672	108.1471	System Intact
17G	06NR_3	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.05695	104.6074	System Intact
17G	06NR_2	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.05695	104.5616	System Intact
17G	06NR_4	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.05695	104.4661	System Intact
17G	06NR_1	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.9	0.05695	104.4203	System Intact
20SP	06ALL_3	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03673	103.9172	System Intact
20SP	06ALL_2	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03673	103.8687	System Intact
20SP	06ALL_4	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03673	103.832	System Intact
20SP	06ALL_1	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03673	103.7834	System Intact
17SP	06ALL_3	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.03975	100.7241	System Intact
17SP	06ALL_4	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.03975	100.7031	System Intact
17SP	06ALL_2	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.03975	100.673	System Intact
17SP	06ALL_1	0	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.9	0.03975	100.652	System Intact

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	142.9018	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	142.842	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	134.7479	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	134.6781	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	129.9118	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	129.882	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	121.8562	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	121.8263	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	121.7694	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	121.6996	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	120.3759	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	120.346	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	120.0356	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	120.0257	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	118.8507	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	118.8308	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	118.7611	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	118.7312	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	114.106	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	114.0761	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	113.92	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	113.8901	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	113.8321	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	113.8122	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	113.7724	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	113.7624	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	113.6055	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.08057	113.5457	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	113.0057	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	112.9957	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06846	112.9153	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06846	112.8554	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	112.6644	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	112.6245	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	112.5874	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	112.5809	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	112.5675	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	112.551	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	112.4912	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	112.4613	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	112.3385	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	112.3186	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	111.4682	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	111.4283	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	111.1436	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	111.1336	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	110.966	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	110.9361	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.08971	109.2721	P12:230:SPS:K51.1.OASIS.RSVLT	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.08971	109.2422	P12:230:SPS:K51.1.OASIS.RSVLT	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	107.9383	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	107.9184	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	107.4971	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	107.4971	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	107.4772	P12:230:SPS:K18.1.RSVLT_S.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	107.4772		Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.08971	107.4698		P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.08971	107.4399		P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0922	107.2615		P12:230:SPS:K30.2.RSVLT_N.TOLK
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0922	107.2317		P12:230:SPS:K30.2.RSVLT_N.TOLK
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	106.823		P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	106.8131		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09473	106.718		P12:230:SPS:K51.1.OASIS.RSVLT
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09473	106.6682		P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06354	106.3782		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06354	106.3483		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	106.311		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	106.281		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	106.2589		BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	106.2589		P12:115:SPS:V12.1.PLANTX.BAILEY
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	106.2589		P12:115:SPS:V12A.1.PLANTX.BAILEY
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	106.2191		BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	106.2191		P12:115:SPS:V12.1.PLANTX.BAILEY
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	106.2191		P12:115:SPS:V12A.1.PLANTX.BAILEY
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	106.0752		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06342	106.0735		P12:115:SPS:T04.1.DFSMTH.CASTRO
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06342	106.0636		P12:115:SPS:T04.1.DFSMTH.CASTRO
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	106.0553		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	105.8644		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	105.8541		Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07265	105.8345		P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	105.8243		Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	105.7466		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	105.7267		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	105.6546		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	105.6147		P12:345:AEPW:O.K.U.-7:L.E.S.-7
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	105.1963		EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	105.1564		EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	105.072		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	105.0521		G14-074T 345.00 - OKLAUNION 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06342	104.9583		P12:115:SPS:T04.1.DFSMTH.CASTRO
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06342	104.9384		P12:115:SPS:T04.1.DFSMTH.CASTRO
20L	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	104.9201		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06833	104.9002		POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	104.8803		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.07093	104.8703		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	104.858		P12:230:SPS:K18.1.RSVLT_S.TOLK
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	104.858		Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	104.8082		P12:230:SPS:K18.1.RSVLT_S.TOLK
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	104.8082		Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
17G	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	104.6961		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07658	104.6662		G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	104.6641		BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	104.6641		P12:115:SPS:V12.1.PLANTX.BAILEY
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	104.6641		P12:115:SPS:V12A.1.PLANTX.BAILEY
17G	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06846	104.6517		CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	104.6242		BAILEY COUNTY INTERCHANGE - EMU&VLY_TP 3115.00 115KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	104.6242		P12:115:SPS:V12.1.PLANTX.BAILEY
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	104.6242		P12:115:SPS:V12A.1.PLANTX.BAILEY
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	104.6026		P13:115-230:SPS:ROOSEVELT.1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	104.6026	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09721	104.6022	P12:230:SPS:K30.2.RSVLT_N.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06846	104.5919	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	104.5826	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	104.5826	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09721	104.5524	P12:230:SPS:K30.2.RSVLT_N.TOLK	
17G	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	104.4606	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09473	104.4353	P12:230:SPS:K51.1.OASIS.RSVLT	
17G	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	104.4207	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09473	104.3854	P12:230:SPS:K51.1.OASIS.RSVLT	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	104.2192	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	104.1893	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	103.9568	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	103.9468	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	103.6014	EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06739	103.5753	P12:115:SPS:T04.1.DFSMTH.CASTRO	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07562	103.5615	EMU&VLY_TP 3115.00 - PLANT X STATION 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06739	103.5454	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	103.4773	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	103.4773	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	103.4574	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.05842	103.4574	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	103.2644	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07321	103.2245	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	102.9978	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	102.958	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	102.7647	P12:230:SPS:K18.1.RSVLT_S.TOLK	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	102.7647	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0721	102.7391	BAILEY COUNTY INTERCHANGE - G15-018T 115.00 115KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	102.7248	P12:230:SPS:K18.1.RSVLT_S.TOLK	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.09763	102.7248	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0721	102.7092	BAILEY COUNTY INTERCHANGE - G15-018T 115.00 115KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06739	102.1299	P12:115:SPS:T04.1.DFSMTH.CASTRO	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06739	102.1	P12:115:SPS:T04.1.DFSMTH.CASTRO	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	102.0996	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	102.0797	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06846	102.0002	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06846	101.9404	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07943	101.7481	P12:345:SPS:J02.1.TOLK.EDDY	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.07943	101.6883	P12:345:SPS:J02.1.TOLK.EDDY	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06224	101.6246	P13:115-230:SPS:ROOSEVELT.1	
17G	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06224	101.6246	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06224	101.5947	P13:115-230:SPS:ROOSEVELT.1	
17G	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06224	101.5947	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	101.5624	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06894	101.5325	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0721	101.5044	BAILEY COUNTY INTERCHANGE - G15-018T 115.00 115KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0721	101.4845	BAILEY COUNTY INTERCHANGE - G15-018T 115.00 115KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.08971	101.0472	P12:230:SPS:K51.1.OASIS.RSVLT	
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.08971	101.0173	P12:230:SPS:K51.1.OASIS.RSVLT	
20L	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	100.9844	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06491	100.9744	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06316	100.5927	CASTRO COUNTY INTERCHANGE - G14_040_1 115.00 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06316	100.5728	CASTRO COUNTY INTERCHANGE - G14_040_1 115.00 115KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06427	100.4506	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.06427	100.4406	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06224	100.1793	P13:115-230:SPS:ROOSEVELT.1	
17G	06NR_8	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.1	0.06224	100.1394	P13:115-230:SPS:ROOSEVELT.1	
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	100.0788	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20L	06NR_2	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	100.0788	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	100.0489	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20L	06NR_1	0	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.2	0.0926	100.0489	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_2	0	TO->FROM	G16_086	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14145	110.6015	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	TO->FROM	G16_086	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14145	110.5962	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_086	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14145	109.4146	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_086	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	350.1	0.14145	109.4066	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	134.7605	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	134.7005	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	126.5718	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	126.5017	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07265	122.5767	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07265	122.5467	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07265	114.4867	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07265	114.4567	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	113.5379	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	113.4678	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	112.6584	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	112.6484	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	112.1385	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	112.1085	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	111.4684	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	111.4484	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	110.5168	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	110.4867	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.06833	106.535	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07265	106.5167	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.06833	106.515	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07265	106.4867	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	106.475	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	106.465	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	105.7351	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	105.705	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.06833	105.705	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.06833	105.695	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	105.3392	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	105.285	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.08057	105.2791	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	105.265	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	104.9284	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	104.9084	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06846	104.5392	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.06846	104.4792	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	104.3101	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07321	104.2873	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	104.2801	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07321	104.2472	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	104.1133	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	104.0833	G15039_T 230.00 - PLANT X STATION 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	103.7284	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.07093	103.7184	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
17G	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07321	103.086	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07321	103.0459	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	102.6884	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_5	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.7	0.07658	102.6584	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.08971	101.9556	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.08971	101.9256	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.06491	100.5094	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.06491	100.4894	P12:345:AEPW:O.K.U.-7:L.E.S.-7
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0926	100.173	P12:230:SPS:K18.1.RSVLT_S.TOLK
20L	06NR_3	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0926	100.173	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0926	100.153	P12:230:SPS:K18.1.RSVLT_S.TOLK
20L	06NR_4	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.0926	100.153	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1
20L	06NR_7	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.08971	100.1456	P12:230:SPS:K51.1.OASIS.RSVLT
20L	06NR_8	0	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	93.8	0.08971	100.1156	P12:230:SPS:K51.1.OASIS.RSVLT
17G	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.08057	128.078	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.08057	128.0192	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.08057	120.0604	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.08057	119.9918	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07265	117.0261	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07265	116.9967	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07265	109.0884	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07265	109.059	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_7	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.08057	107.2989	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	107.2945	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	107.2847	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.08057	107.2303	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_7	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	106.1269	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	106.1073	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.07658	105.9287	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.07658	105.8993	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.07658	104.3409	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.7	0.07658	104.3115	DEAF SMITH COUNTY INTERCHANGE - G15039_T 230.00 230KV CKT 1
20L	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.06833	101.2865	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07265	101.2685	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.06833	101.2668	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07265	101.239	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	101.2276	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	101.2178	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.06833	100.4721	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.06833	100.4623	POTTER COUNTY INTERCHANGE - TOLK STATION 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	95.6	0.07093	100.06	G15039_T 230.00 - PLANT X STATION 230KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.08057	103.6726	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	0	TO->FROM	G16_086	DEAF SMITH REC-#6 - FRIONA SUB 115KV CKT 1	94.5	0.08057	103.6131	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.09459	129.6905	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_1	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.09459	129.6572	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_3	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.09459	129.5472	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_2	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.09459	129.5139	P12:345:SPS:J15.1.XRDS.TOLK
20L	06NR_4	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.0858	126.2852	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.0858	126.2322	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.0858	126.1439	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.9	0.0858	126.0889	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09971	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09971	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09971	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	446.2	0.09971	144.1421	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
20WP	00NR_1	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.8	0.09876	102.9296	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.8	0.09876	102.9296	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1752	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1752	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1731	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1731	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1564	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1564	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1522	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	448.1	0.06889	102.1522	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8553	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_2	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8553	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_3	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8532	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_4	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8532	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_5	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8366	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_6	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8366	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_7	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8324	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
20L	06NR_8	0	FROM->TO	G16_086	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	449.9	0.06889	101.8324	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.5218	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.5218	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.5156	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.5156	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	FPL SWITCH - WOODWARD 138KV CKT 1	150.4	0.03227	103.4968	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.596	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.596	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.5709	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.5697	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.5218	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.5218	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.4967	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	183.4955	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	179.0813	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	179.0813	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	179.0562	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	179.0549	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	179.0071	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	179.0071	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	178.982	GRACEMONT - MINCO 345KV CKT 1
17SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.22919	178.9808	GRACEMONT - MINCO 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.6706	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.6706	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.6456	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.6456	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.5883	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.5883	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.5633	CIMARRON - MINCO 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	169.5633	CIMARRON - MINCO 345KV CKT 1
17SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.8422	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
17SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.841	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
17SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.8087	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
17SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.8075	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
17SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.7453	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.7441	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.7118	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	784.1	0.21974	165.7106	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.3715	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.3464	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.2892	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.22146	165.2641	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.9751	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.9739	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.9429	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.9417	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.8689	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.8677	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.8367	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	786.2	0.21583	155.8355	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20L	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.7578	System Intact	
20L	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.7565	System Intact	
20L	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.7274	System Intact	
20L	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.726	System Intact	
20L	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.6863	System Intact	
20L	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.685	System Intact	
20L	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.6559	System Intact	
20L	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.11307	154.6545	System Intact	
17G	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.3931	System Intact	
17G	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.3917	System Intact	
17G	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.3613	System Intact	
17G	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.36	System Intact	
17G	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.3308	System Intact	
17G	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.3295	System Intact	
17G	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.299	System Intact	
17G	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.5	0.14345	153.299	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.4939	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.4926	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.4634	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.4621	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.4224	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.421	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.3919	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	708.3	0.14203	152.3906	System Intact	
17SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.2317	System Intact	
17SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.2317	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.2106	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.2093	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.1684	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.1684	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.146	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	711.6	0.17204	152.146	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.272	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.2707	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.2693	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.268	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.2416	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.2402	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.2389	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	709.1	0.14663	150.2376	System Intact	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7326	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7231	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7207	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7196	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.71	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	143.7088	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.0934	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.092	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.071	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.071	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.0224	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.0224	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.0014	System Intact	
20SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	713.9	0.16942	142.0001	System Intact	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9653	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9641	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9546	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9522	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.951	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9415	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.16887	138.9403	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.452	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.4389	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.4378	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.4045	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.4033	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	136.3902	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8639	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8508	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8497	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8164	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8152	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8021	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.13624	131.8021	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.5173	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.5161	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.4923	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.4911	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.4351	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.4339	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.4089	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	121.4089	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.8191	System Intact	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.8178	System Intact	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.81	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.81	System Intact	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.8086	System Intact	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.8073	System Intact	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.7995	System Intact	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	716.4	0.1202	117.7995	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.2263	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.2251	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.2013	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.2001	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.1441	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.143	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.118	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22854	117.118	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.4405	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.4333	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.4322	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.431	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12475	116.4238	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.2513	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.2418	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.218	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09716	116.2085	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.1564	System Intact	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.1564	System Intact	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.1459	System Intact	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.1459	System Intact	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.1184	System Intact	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.1184	System Intact	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.108	System Intact	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.09619	116.108	System Intact	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.985	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9838	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9767	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9755	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9731	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9719	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.13631	115.9636	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3931	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3812	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1116	115.3407	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.4015	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.4004	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.3932	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.392	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.3908	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.388	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3868	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	114.3837	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3809	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3797	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3785	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3773	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3714	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12622	114.3702	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3449	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3354	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3104	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10133	114.3009	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.7159	P12:138:WFEC:MSLO3	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.7159	P12:138:WFEC:MSLO3	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.7088	P12:138:WFEC:MSLO3	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.7076	P12:138:WFEC:MSLO3	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.7064	P12:138:WFEC:MSLO3	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.7052	P12:138:WFEC:MSLO3	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.6981	P12:138:WFEC:MSLO3	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12711	113.6969	P12:138:WFEC:MSLO3	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.6142	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.613	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.607	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.6058	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.6046	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.5975	P12:345:SPSJ04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3732	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.372	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3661	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3649	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3637	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12955	113.3565	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.9203	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.9108	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.8858	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09619	112.8763	G14-057T 345.00 - G14571545159345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0638	P12:345:SPSJ06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0626	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0602	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.059	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0542	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0531	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0507	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12936	112.0507	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.792	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7908	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7837	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7825	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7813	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12469	111.7742	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7151	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7055	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7024	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.7024	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6929	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6929	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.683	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6746	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6734	P12:345:SPS:WALKEMEYER-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6703	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6703	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.662	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.662	P12:345:SPS:J07.1.FINN.HITCH	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6608	P12:345:SPS:FINNEY-HITCHLAND	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10388	111.6608	P12:345:SPS:J07.1.FINN.HITCH	
16WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.505	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.5039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.4955	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.4943	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.492	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.4908	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.4813	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	111.4813	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1929	P13:138-24:AEPW:TURK 4	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1917	P13:138-24:AEPW:TURK 4	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1846	P13:138-24:AEPW:TURK 4	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1834	P13:138-24:AEPW:TURK 4	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1822	P13:138-24:AEPW:TURK 4	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1751	P13:138-24:AEPW:TURK 4	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	111.1751	P13:138-24:AEPW:TURK 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9909	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9838	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9814	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9743	P12:345:AEPW:PITTSB-7:VALIANT7	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.12216	110.9731	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.9015	P12:138:WFEC:MSL03	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.9015	P12:138:WFEC:MSL03	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.892	P12:138:WFEC:MSL03	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.8908	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8885	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8874	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8802	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.879	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8778	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.8707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.8647	P12:138:WFEC:MSL03	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.8647	P12:138:WFEC:MSL03	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.8551	P12:138:WFEC:MSL03	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10261	110.8551	P12:138:WFEC:MSL03	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7617	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7605	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7534	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7522	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.751	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7439	G14571545159345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7399	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7328	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7316	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7304	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7232	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.7221	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.6983	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.6971	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.69	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.6888	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.6876	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.5	0.1202	110.6805	G15092_1 345.00 345/34.5KV TRANSFORMER CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5725	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5713	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5629	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5463	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5451	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5368	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.10446	110.5368	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.3261	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.3166	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.3154	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.2916	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.2904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.2809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0853	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0758	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0746	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0508	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0496	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09711	110.0401	G15066_T 345.00 - SOONER 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.6212	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.589	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20L	06NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5846	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5751	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5502	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5406	P12:345:AEPW-PITTSB-7:VALIANT7	
20L	06NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.09695	109.5395	P12:345:AEPW-PITTSB-7:VALIANT7	
25SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.5152	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
25SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	787.7	0.22246	109.483	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7395	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7383	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.73	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7288	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7264	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7253	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7157	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.1735	106.7157	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3657	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3645	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3514	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3169	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3039	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	106.3039	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2474	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2462	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2403	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2391	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2379	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2367	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2308	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12654	104.2296	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	102.007	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	101.9974	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	101.9736	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.13032	101.9641	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.7753	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.7741	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.761	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.7265	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.7135	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.6	0.17343	101.7135	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0556	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0485	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0473	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0461	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0449	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.039	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	789	0.12834	101.0378	CIMARRON - DRAPER LAKE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.9636	System Intact	
25SP	06ALL_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.9636	System Intact	
25SP	06ALL_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.9426	System Intact	
25SP	06ALL_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.9413	System Intact	
25SP	06ALL_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.8928	System Intact	
25SP	06ALL_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.8928	System Intact	
25SP	06ALL_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.8718	System Intact	
25SP	06ALL_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	715.5	0.17474	100.8718	System Intact	
16WP	00NR_1	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.354	System Intact	
16WP	00NR_2	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3527	System Intact	
16WP	00NR_5	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3449	System Intact	
16WP	00NR_6	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3449	System Intact	
16WP	00NR_3	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3423	System Intact	
16WP	00NR_4	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3423	System Intact	
16WP	00NR_8	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3344	System Intact	
16WP	00NR_7	0	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	717	0.12243	100.3331	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.3928	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.3678	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.3667	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.3191	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.2941	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	194.2929	CIMARRON - MINCO 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.8917	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.8668	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.8656	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.818	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.818	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.793	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22919	189.7918	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.1906	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.1657	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.1086	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	181.0836	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.9051	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.8801	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.823	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.7981	GRACEMONT - MINCO 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.22146	176.7981	GRACEMONT - MINCO 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.7426	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.7414	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.7093	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.7081	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.6463	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.6451	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.613	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
17SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21974	176.6118	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.5385	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.5373	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.5064	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.5052	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.4327	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.4315	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.4006	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.21583	167.3994	P12:345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
20L	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.85	System Intact	
20L	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.8487	System Intact	
20L	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.8199	System Intact	
20L	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.8186	System Intact	
20L	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.7793	System Intact	
20L	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.778	System Intact	
20L	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.7492	System Intact	
20L	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.4	0.11307	165.7479	System Intact	
17G	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.7612	System Intact	
17G	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.7598	System Intact	
17G	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.7297	System Intact	
17G	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.7284	System Intact	
17G	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.6996	System Intact	
17G	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.6983	System Intact	
17G	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.6681	System Intact	
17G	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716	0.14345	164.6681	System Intact	
17SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.2172	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.2172	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.1963	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.195	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.1544	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.1544	System Intact	
17SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.1322	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.17204	164.1322	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.9025	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.9012	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.8723	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.8711	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.8317	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.8304	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.8016	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14203	163.8003	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9417	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9404	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9391	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9378	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9116	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9102	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9089	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.8	0.14663	161.9076	System Intact	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.9103	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.9091	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.8996	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.8972	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.896	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.8865	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	156.8853	CIMARRON - MINCO 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.8213	System Intact	
20SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.82	System Intact	
20SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.7991	System Intact	
20SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.7991	System Intact	
20SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.7506	System Intact	
20SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.7506	System Intact	
20SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.7297	System Intact	
20SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.16942	154.7284	System Intact	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1333	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1321	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1226	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1202	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.119	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1095	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.16887	152.1083	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.4109	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.3979	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.3967	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.3633	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.3622	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	149.3491	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.8188	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.8057	GRACEMONT - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.8045	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.7712	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.77	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.7569	GRACEMONT - MINCO 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.13624	144.7569	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	134.042	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	134.0408	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	134.0171	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	134.0159	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	133.96	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	133.9588	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	133.9338	CIMARRON - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	133.9338	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2921	System Intact	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2908	System Intact	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2829	System Intact	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2829	System Intact	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2816	System Intact	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2803	System Intact	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2724	System Intact	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	714.9	0.1202	132.2724	System Intact	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.398	System Intact	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.398	System Intact	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.3876	System Intact	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.3876	System Intact	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.3601	System Intact	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.3601	System Intact	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.3496	System Intact	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.3	0.09619	130.3496	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.7708	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.7696	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.7458	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.7446	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.6888	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.6876	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.6626	GRACEMONT - MINCO 345KV CKT 1	
25SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22854	129.6626	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5685	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5613	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5601	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5589	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12475	129.5518	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.1923	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.1828	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.159	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09716	129.1494	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.1121	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.1109	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.1038	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.1026	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.1002	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.099	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.0919	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.13631	129.0907	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.3333	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.3321	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.3214	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.2928	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.1116	128.2809	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.5123	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.5112	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.5052	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.504	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.5028	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.5016	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.4957	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12622	127.4945	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2842	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2842	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2746	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2746	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2497	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2497	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2401	CIMARRON - DRAPER LAKE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10133	127.2401	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.839	P12:138:WFEC:MSL03	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.839	P12:138:WFEC:MSL03	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.8319	P12:138:WFEC:MSL03	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.8307	P12:138:WFEC:MSL03	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.8295	P12:138:WFEC:MSL03	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.8283	P12:138:WFEC:MSL03	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.8212	P12:138:WFEC:MSL03	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12711	126.82	P12:138:WFEC:MSL03	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7371	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7359	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7299	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7288	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7276	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7276	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7204	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.7204	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.4957	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.4945	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.4886	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.4874	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.4862	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.4862	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.479	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12955	126.479	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1818	CIMARRON - MINCO 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1807		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1723		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1711		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1688		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1676		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1581		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	126.1581		CIMARRON - MINCO 345KV CKT 1
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.9117		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.9105		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.9034		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.9022		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.901		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.895		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12469	124.8939		MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.652		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.652		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.652		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.652		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.652		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.652		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6425		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6425		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6425		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6425		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6425		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6425		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6199		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6199		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6199		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6199		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6199		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6199		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6116		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6116		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6116		P12:345:SPS:WALKEMEYER-HITCHLAND
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6104		P12:345:SPS:FINNEY-HITCHLAND
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6104		P12:345:SPS:J07.1.FINN.HITCH
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.10388	124.6104		P12:345:SPS:WALKEMEYER-HITCHLAND
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.3115		P13:138-24:AEPW:TURK 4
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.3103		P13:138-24:AEPW:TURK 4
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.3032		P13:138-24:AEPW:TURK 4
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.3032		P13:138-24:AEPW:TURK 4
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.302		P13:138-24:AEPW:TURK 4
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.3008		P13:138-24:AEPW:TURK 4
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.2937		P13:138-24:AEPW:TURK 4
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.2937		P13:138-24:AEPW:TURK 4
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1219		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1219		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1147		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1147		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1124		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1124		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.1052		P12:345:AEPW:PITTSB-7:VALIANT7
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12216	124.104		P12:345:AEPW:PITTSB-7:VALIANT7

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.0066	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	124.0054	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.9983	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.9971	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.9959	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.9888	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8577	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8506	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8494	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8482	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.841	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.8398	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.39	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.3888	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.3805	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.3793	P13:345-18:AEPW:WELSH 7_#3	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.2745	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.265	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.2638	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.24	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.2388	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.2293	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.2264	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.2252	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.218	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.2168	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.2156	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	123.2085	HUGO POWER PLANT 138/23.4KV TRANSFORMER CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.0208	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.0113	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	123.0101	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	122.9863	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	122.9851	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09711	122.9756	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.5324	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.5324	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.5229	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.5229	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.4979	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.4979	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.4883	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09695	122.4872	P12:345:AEPW:PITTSB-7:VALIANT7	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	122.3571	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	122.3476	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	122.3476		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
25SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.1655		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.1655		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.1334		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.1334		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.0597		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.0597		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.0276		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
25SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.22246	122.0276		P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.4163		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.4151		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.4068		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.4056		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.4032		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.402		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.3925		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1735	121.3925		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.098		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0968		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0837		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0837		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0492		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0492		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0362		CIMARRON - MINCO 345KV CKT 1
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	121.0362		CIMARRON - MINCO 345KV CKT 1
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9242		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9231		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9171		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9159		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9147		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9136		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9076		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12654	118.9064		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.7398		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.7398		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.7303		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.7303		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.7065		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.7065		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.697		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13032	116.697		P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.5186		System Intact
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.5173		System Intact
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.5095		System Intact
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.5095		System Intact
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.5082		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.507		GRACEMONT - MINCO 345KV CKT 1
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.5069		System Intact
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.5069		System Intact
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.499		System Intact
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.12243	116.4977		System Intact
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.4939		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.4939		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.4594		GRACEMONT - MINCO 345KV CKT 1
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.4594		GRACEMONT - MINCO 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.4463	GRACEMONT - MINCO 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.17343	116.4463	GRACEMONT - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7451	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7451	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.738	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7368	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7356	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7344	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7285	CIMARRON - DRAPER LAKE 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12834	115.7273	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2436	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2436	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2436	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2436	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2365	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2365	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2353	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	115.2353	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
25SP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.7552	System Intact	
25SP	06ALL_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.7552	System Intact	
25SP	06ALL_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.7343	System Intact	
25SP	06ALL_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.7329	System Intact	
25SP	06ALL_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.6845	System Intact	
25SP	06ALL_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.6845	System Intact	
25SP	06ALL_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.6636	System Intact	
25SP	06ALL_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	717	0.17474	114.6636	System Intact	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7946	System Intact	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7946	System Intact	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7841	System Intact	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7841	System Intact	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7566	System Intact	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7566	System Intact	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7461	System Intact	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.7	0.12628	113.7461	System Intact	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6832	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6832	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6487	GEN-2016-086230.00 - ROOSEVELT COUNTY INTERCHANGE 230KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	113.6487	GEN-2016-086115.00 - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3733	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3638	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3388	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13352	113.3293	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12261	113.1202	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12261	113.1191	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12261	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.12261	113.1071	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09913	112.147	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09913	112.1459	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09913	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09913	112.1328	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0164	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0164	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0152	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0152	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0069	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0069	TOLK STATION 345/115KV TRANSFORMER CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0057	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	787.1	0.1202	112.0057	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4336	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4324	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4253	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4229	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12413	111.4158	P12:345:AEPW:PITTSB-7:VALIANT7	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.4117	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.4105	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.4034	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.401	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.3939	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	111.3927	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.9353	P12:138:WFEC:MSL03	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.9353	P12:138:WFEC:MSL03	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.927	P12:138:WFEC:MSL03	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.927	P12:138:WFEC:MSL03	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.9258	P12:138:WFEC:MSL03	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.9246	P12:138:WFEC:MSL03	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.9174	P12:138:WFEC:MSL03	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1297	110.9163	P12:138:WFEC:MSL03	
17SP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.8263	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.8251	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.8132	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.812	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.812	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.8108	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.7989	CIMARRON - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	110.7989	CIMARRON - MINCO 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5976	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5904	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5893	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5881	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5869	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5809	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.5797	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.524	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.524	TOLK STATION 345/115KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.5145	CROSSROADS 7345.00 345/115KV TRANSFORMER CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.3	0.09619	110.5145	TOLK STATION 345/115KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.5113	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.5101	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.5042	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.503	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.5018	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	110.4947	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3441	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.337	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3358	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3346	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3334	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3274	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12522	110.3263	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.726	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7249	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7177	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7154	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7134	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7122	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7082	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.707	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7051	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.7027	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.6955	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.6944	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5734	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5722	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5663	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5651	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5639	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1269	109.5568	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3205	P13-138-24:AEPW:TURK 4	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3193	P13-138-24:AEPW:TURK 4	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3121	P13-138-24:AEPW:TURK 4	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3121	P13-138-24:AEPW:TURK 4	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3098	P13-138-24:AEPW:TURK 4	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3098	P13-138-24:AEPW:TURK 4	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3026	P13-138-24:AEPW:TURK 4	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.3014	P13-138-24:AEPW:TURK 4	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.0923	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.0911	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.084	P13-138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.084	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.0816	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0788	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0776	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.0745	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12243	109.0733	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0704	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0692	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.068	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12706	109.0609	ARCADIA - NORTHWEST 345KV CKT 1	
16WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9663	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9597	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9592	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9568	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9502	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
16WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9497	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12158	108.9485	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9253	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	108.9157	G16-063-TAP 345.00 - GEN-2016-063345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5534	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5439	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5189	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5094	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.5082	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.4852	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.484	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.4757	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.4745	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.4495	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12808	108.44	P12:345:AEPW:PITTSB-7:VALIANT7	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2998	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2903	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2653	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2558	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12908	108.2546	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.1424	P12:138:WFEC:MSL03	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.1424	P12:138:WFEC:MSL03	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.1329	P12:138:WFEC:MSL03	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.1329	P12:138:WFEC:MSL03	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.1067	P12:138:WFEC:MSL03	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.1055	P12:138:WFEC:MSL03	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.096	P12:138:WFEC:MSL03	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13365	108.096	P12:138:WFEC:MSL03	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2734	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2639	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2481	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2389	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2386	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2294	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2136	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2041	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	107.2041	CARTRCO4 138.00 - ORIGINW4 138.00 138KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8677	P13:138-24:AEPW:TURK 4	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8661	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8582	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8565	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8332	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8316	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.8237	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.13168	106.8221	ARCADIA - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.6141	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.6046	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.5796	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.5701	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.7	0.12628	106.5701	P13:138-24:AEPW:PIRKEY 4	
17SP	00NR_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.068	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_2	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.068	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_5	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.0549	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_4	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_6	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.0537	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_3	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.0525	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_7	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.0406	GRACEMONT - MINCO 345KV CKT 1	
17SP	00NR_8	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.1	0.18003	106.0406	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4024	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.1433	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.1416	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.1242	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.1225	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.1182	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.1164	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.0982	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	103.0965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.394	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3923	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3749	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3732	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3689	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3671	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3489	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.20994	102.3472	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.3313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.3295	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.3148	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.313	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.3018	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.2992	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.2844	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	1081	0.2064	100.2827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	145.2512	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	145.1815	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03552	143.9852	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03552	143.9075	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	143.1626	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	143.0929	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03552	141.8965	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03552	141.8189	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	102.8443	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	102.7747	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03552	101.8515	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03552	101.7765	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	100.7531	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	0	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03745	100.6861	P12:345:SPS:J15.1.XRDS.TOLK	
17SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	173.052	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	173.0508	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	172.997	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	172.9946	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	172.8895	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	172.8871	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	172.8334	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	172.8322	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.7876	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.7865	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.7303	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.6252	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.6228	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.5691	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.25307	166.5679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	166.1245	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	166.1233	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	166.0708	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	166.0696	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	165.9468	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	165.9456	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	165.8932	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	165.892	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	161.1318	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	161.1294	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	161.065	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	161.0626	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	160.9744	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	160.9732	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	160.9089	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	160.9065	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.8062	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.805	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.7525	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.7513	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.6285	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.6273	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.5748	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.6	0.24782	159.5736	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	157.0908	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	157.0896	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	157.0265	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	157.0253	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	156.9133	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	156.9121	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	156.8502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	156.8478	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
17G	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	155.1336	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	155.1312	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	155.0668	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	155.0644	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	154.9762	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	154.975	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	154.9106	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17G	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	786.9	0.20931	154.9083	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.2312	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.2288	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.2098	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.2062	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.1669	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.1646	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.1455	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	151.142	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	151.1211	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	151.1199	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	151.0567	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	151.0555	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	150.9436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	150.9424	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	150.8804	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	787.3	0.20683	150.878	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.1787	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.1763	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.1573	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.1537	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.1144	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.112	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.093	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.1	0.21219	145.0894	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	122.0675	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	122.0663	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	122.0317	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	122.0305	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	121.9648	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	121.9636	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	121.929	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	121.9277	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.9863	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.9851	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.9504	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.9492	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.8836	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.8824	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.8477	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	785.4	0.19841	118.8465	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.9053	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.9041	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.8518	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.8506	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.7281	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.7269	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.6746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	115.6734	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
25SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.2488	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.2476	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.1953	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.1941	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.0716	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.0704	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.0181	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
25SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	788.7	0.25509	109.0169	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.7072	System Intact	
17SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.7059	System Intact	
17SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.6572	System Intact	
17SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.6559	System Intact	
17SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.5612	System Intact	
17SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.5598	System Intact	
17SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.5112	System Intact	
17SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	713.1	0.16248	103.5099	System Intact	
20SP	06ALL_2	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.7698	System Intact	
20SP	06ALL_1	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.7685	System Intact	
20SP	06ALL_3	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.7213	System Intact	
20SP	06ALL_4	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.72	System Intact	
20SP	06ALL_5	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.6097	System Intact	
20SP	06ALL_6	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.6097	System Intact	
20SP	06ALL_7	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.5624	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_8	0	TO->FROM	G16_086	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	714.4	0.15931	101.5611	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0801	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0793	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0596	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0588	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0216	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0208	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0011	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	147.0011	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5836	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5828	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.563	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5251	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5243	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.29424	143.5046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.5114	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.5114	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.4909	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.4901	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.4444	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.4436	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.4231	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	136.4231	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	133.0553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	133.0553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	133.0348	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	133.034	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	132.9883	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	132.9875	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	132.967	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.28156	132.967	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.5454	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.5438	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.5154	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.5139	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.4902	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.4894	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.4603	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	131.4595	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.2849	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.2833	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.2549	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.2534	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.2297	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.2289	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.1997	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.23773	128.199	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6422	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6414	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6398	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6123	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6123	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6115	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	126.6107	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.7801	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.7793	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.7502	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.7494	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.7132	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.7124	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.6833	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	124.6825	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3444	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3436	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3428	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.342	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3145	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3137	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.24232	123.3129	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.767	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.7662	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.737	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.7363	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.7	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.6992	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.67	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	121.6692	G14-057T	345.00 - SUNNYSIDE 345KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.5832	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.5825	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.5533	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.5526	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.5163	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.5156	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.4864	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.22799	121.4856	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.903	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.8856	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.8848	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.854	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.8366	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.26431	119.8358	CHSHLMWEST	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
20L	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.6065	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.6057	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.5766	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.5758	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.5395	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.5387	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.5096	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
20L	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.7	0.19987	118.5088	G14-057T	345.00 - LAWTON EASTSIDE 345KV CKT 1
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8467	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8357	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8349	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8151	MATHWSN7	345.00 - TATONGA7 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8143	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8033	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	117.8033	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.4829	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.4821	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.4648	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.464	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.4261	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.4254	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.408	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2614	116.4072	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.7209	P12:138:WFEC:MSL03	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.7201	P12:138:WFEC:MSL03	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.7051	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.6758	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.6608	P12:138:WFEC:MSL03	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23573	115.66	P12:138:WFEC:MSL03	
17G	06NR_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8873	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8865	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8786	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8778	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8754	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8746	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8666	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	114.8658	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.6257	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.6146	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.6138	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.5941	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.5933	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	113.5822	G11_051T 345.00 - TATONGA7 345.00 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.286	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.275	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.2742	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.2544	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.2536	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23666	112.2426	G11_051T 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7446	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7359	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7351	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7327	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7319	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.724	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1180.4	0.23211	110.7232	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2501	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2501	P12:345:SPS:FINNEY-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2501	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2501	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2375	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2375	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2375	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2138	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2138	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2138	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2011	P12:345:SPS:FINNEY-HITCHLAND	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2011	P12:345:SPS:J07.1.FINN.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.23487	110.2011	P12:345:SPS:WALKEMEYER-HITCHLAND	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.8016	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.8008	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.7882	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.7756	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2378	109.7629	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1731	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1723	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1581	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1321	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1179	P12:115:SPS:T66.1.RNDALL.HAPPY	
17G	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21001	109.1171	P12:115:SPS:T66.1.RNDALL.HAPPY	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8854	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8696	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8411	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.2301	108.8253	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.5405	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.5397	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.5254	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.4986	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.4978	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.4836	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.4828	ANADARKO - POCASSETT 138KV CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.4141	P12:138:WFEC:MSL01	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.4133	P12:138:WFEC:MSL01	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3991	P12:138:WFEC:MSL01	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3991	P12:138:WFEC:MSL01	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3722	P12:138:WFEC:MSL01	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3714	P12:138:WFEC:MSL01	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3572	P12:138:WFEC:MSL01	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3564	P12:138:WFEC:MSL01	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3214	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3206	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.3064	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.2795	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.2787	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.2645	POCASSETT - TUTTLE 138KV CKT 1	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22333	108.2637	POCASSETT - TUTTLE 138KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0927	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0919	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0786	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0778	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0525	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17G	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	108.0384	PAOLA 161/115KV TRANSFORMER CKT 1	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	108.0022	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	108.0014	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	107.9888	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	107.988	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.9659	P12:138:WFEC:MSL03	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.9659	P12:138:WFEC:MSL03	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	107.9635	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	107.9635	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.9501	P12:138:WFEC:MSL03	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	107.95	P12:345:SPS:J04.1.FINN.HOLC(534)	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.22856	107.95	P12:345:SPS:J04.1.FINN.HOLC(534)	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.9493	P12:138:WFEC:MSL03	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.913	P12:138:WFEC:MSL03	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.9122	P12:138:WFEC:MSL03	
17G	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.9079	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.9071	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.8964	P12:138:WFEC:MSL03	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22506	107.8964	P12:138:WFEC:MSL03	
17G	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.8937	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.8929	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.8677	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.8677	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.8535	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.20958	107.8535	ASG1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.4782	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.4766	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.4679	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.4671	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.464	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.4632	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.4545	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.21623	104.453	P12:115:SPS:T66.1.RNDALL.HAPPY	
16WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5755	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5748	PAOLA 161/115KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5669	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5661	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5614	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5606	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5527	PAOLA 161/115KV TRANSFORMER CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.5519	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.5308	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.5174	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.5	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.23003	103.4866	P12:345:SPS:J06.1.POTTER.HITCH	
16WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3993	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3985	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3907	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3899	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3852	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3844	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3765	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
16WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.2158	103.3757	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1	
17SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.1446	System Intact	
17SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.1446	System Intact	
17SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.1304	System Intact	
17SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.1296	System Intact	
20L	06NR_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.105	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.1042	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.1035	System Intact	
17SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.1035	System Intact	
20L	06NR_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.0915	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.0893	System Intact	
17SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1186.9	0.21801	103.0885	System Intact	
20L	06NR_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.0604	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1177.6	0.19448	103.0477	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.8526	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.851	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.825	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.8242	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.8061	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.8053	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.7793	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
17G	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1190	0.21094	102.7785	CHSHLMWEST 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.2529	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.2372	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.2025	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.1876	P12:115:SPS:T66.1.RNDALL.HAPPY	
20WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20199	102.1868	P12:115:SPS:T66.1.RNDALL.HAPPY	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.8074	P12:345:SPS:FINNEY-HITCHLAND	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.8074	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.8074	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.8074	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7932	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7932	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7932	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7625	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7625	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7625	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7483	P12:345:SPS:FINNEY-HITCHLAND	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7483	P12:345:SPS:J07.1.FINN.HITCH	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.22274	101.7483	P12:345:SPS:WALKEMEYER-HITCHLAND	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.5659	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.5501	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.5493	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.5138	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.513	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.2199	101.4972	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.4011	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.3853	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.3656	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.3506	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.3506	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.3498	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.3348	ANADARKO - POCASSETT 138KV CKT 1	
20WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.316	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.301	PAOLA 161/115KV TRANSFORMER CKT 1	
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.2918	P12:138:WFEC:MSL01	
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.276	P12:138:WFEC:MSL01	
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.2413	P12:138:WFEC:MSL01	
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.2255	P12:138:WFEC:MSL01	
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.2255	P12:138:WFEC:MSL01	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	CONTINGENCY			CONTINGENCY
						RATE (MVA)	TDF	LOADING %	
20WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1978	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1828	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.182	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20SP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1741	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1741	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1583	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1583	POCASSETT - TUTTLE 138KV CKT 1
20WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1482	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.8	0.20153	101.1332	ASGI1604 115.00 - PALO DURO SUB 115KV CKT 1
20SP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1236	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1236	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1078	POCASSETT - TUTTLE 138KV CKT 1
20SP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1189.2	0.21339	101.1078	POCASSETT - TUTTLE 138KV CKT 1
16WP	06ALL_5	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3754	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_6	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3746	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_1	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3715	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_2	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3707	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_7	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_8	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3557	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_4	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.3518	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
16WP	06ALL_3	0	FROM->TO	G16_086	GRACEMONT - MINCO 345KV CKT 1	1191.7	0.1963	100.351	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.7827	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.7801	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.7532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.737	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0805	151.7074	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.953	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.9503	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.9097	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.907	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.8636	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
20L	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.06398	133.8609	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.2235	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.2208	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.2047	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.202	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.1562	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	120.1374	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.8793	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.8766	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.8605	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.8578	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.812	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.06152	119.7932	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.5673	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.5646	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.5216	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.5216	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.5135	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.5135	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.4705	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	116.4705	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.8095	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.8068	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.7637	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.7556	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	112.7126	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.2382	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.2355	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.1925	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.1898	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.1736	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	111.1279	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.2342	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.2315	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.1885	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.1858	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.1696	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	110.1239	P12:115:SPS:T53.1.NICHLS.KIRBY	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.9187	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.916	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.9049	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.9022	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.8753	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.8729	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.8726	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.8702	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.8541	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.8457	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05729	109.8161	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05302	109.8083	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.8221	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.8194	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.7763	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.7682	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05759	108.7252	G14-074T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.2243	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.2216	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.1593	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.1566	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.1187	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.116	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.0537	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	108.051	GRAPEVINE 345.00 - POTTER COUNTY INTERCHANGE 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.9357	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.933	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.8707	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.868	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.8301	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.8274	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7711	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
20L	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.7651	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.05115	107.7624	CHSHLMWEST 345.00 - GRAPEVINE 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.728	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.7226	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.0549	107.6769	BORDER 7345.00 - CRAWFISH_DR 345.00 345KV CKT 2	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.1409	System Intact	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.1409	System Intact	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.0965	System Intact	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.0965	System Intact	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.0787	System Intact	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.0787	System Intact	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.0343	System Intact	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	316.6	0.04715	107.0343	System Intact	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.6748	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.6748	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.6371	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.6344	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.6183	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.6183	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.5779	P12:345:SPS:J04.1.FINN.HOLC(534)	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.5779	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.5606	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.5308	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.5281	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.5119	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.5092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.4794	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	105.4767	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.3879	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.3503	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.3476	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.3314	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05242	105.2911	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.9137	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.8922	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.8895	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.8814	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.8787	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.051	104.8572	CHISHOLM7 345.00 (CHISHOLM) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.3855	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.3828	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.3424	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.3397	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.3236	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	104.2805	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.9512	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.9485	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.9081	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.9054	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.8893	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.6	0.05026	102.8462	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	
20L	06NR_7	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.8088	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.779	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.7763	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.7601	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.7574	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.7276	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	346.5	0.04787	101.7249	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.5709	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_7	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.5682	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.5252	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.5226	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	349.3	0.06636	128.4769	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.7362	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.7362	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.7124	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.7065	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.6886	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.6886	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.6589	P12:345:SPSJ06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	157.8	0.03834	109.6589	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.6469	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.6469	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.5937	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.5405	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_086	Hansford County Switch Station - SPEARMAN INTERCHANGE 115KV CKT 1	158.7	0.03317	106.5405	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06ALL_4	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.9928	System Intact	
20L	06ALL_3	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.9845	System Intact	
20L	06ALL_1	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.9637	System Intact	
20L	06ALL_2	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.9595	System Intact	
20L	06ALL_8	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.8391	System Intact	
20L	06ALL_7	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.8307	System Intact	
20L	06ALL_5	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.81	System Intact	
20L	06ALL_6	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	225.8	0.04516	130.8058	System Intact	
17G	06ALL_4	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.1959	System Intact	
17G	06ALL_3	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.1918	System Intact	
17G	06ALL_1	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.1591	System Intact	
17G	06ALL_2	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.155	System Intact	
17G	06ALL_8	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.0447	System Intact	
17G	06ALL_7	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.0365	System Intact	
17G	06ALL_5	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	129.0038	System Intact	
17G	06ALL_6	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	229.5	0.05346	128.9997	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	121.1113	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	121.1077	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	121.0893	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	121.082	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	120.9757	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	120.972	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	120.9537	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	255.9	0.05448	120.9464	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	120.1567	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	120.153	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	120.1239	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	120.1203	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	119.9527	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	119.9491	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	119.9199	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_086	HAPPY INTERCHANGE - PALO DURO SUB 115KV CKT 1	257.5	0.05737	119.9163	System Intact	
17G	06ALL_4	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.4137	System Intact	
17G	06ALL_3	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.4098	System Intact	
17G	06ALL_1	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.3787	System Intact	
17G	06ALL_2	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.3748	System Intact	
17G	06ALL_8	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.2696	System Intact	
17G	06ALL_7	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.2618	System Intact	
17G	06ALL_5	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.2307	System Intact	
17G	06ALL_6	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	240.9	0.05346	112.2268	System Intact	
20L	06ALL_4	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.2776	System Intact	
20L	06ALL_3	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.2699	System Intact	
20L	06ALL_1	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.2506	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_2	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.2468	System Intact	
20L	06ALL_8	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.135	System Intact	
20L	06ALL_7	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.1273	System Intact	
20L	06ALL_5	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.108	System Intact	
20L	06ALL_6	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	243.4	0.04516	109.1042	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.2279	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.2244	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.2071	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.2001	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.0995	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.096	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.0786	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.2	0.05448	104.0717	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.4037	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.4002	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.3724	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.369	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.2094	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.2059	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.1782	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_086	HAPPY INTERCHANGE - TULIA TAP 115KV CKT 1	270.4	0.05737	103.1747	System Intact	
17G	06NR_3	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2859	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_7	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.262	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2561	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2382	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.03834	118.2084	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.9928	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_4	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.9395	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.8862	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	158.4	0.03317	114.8862	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.8834	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.8834	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.8238	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.8238	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.7999	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.7999	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.7463	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.7403	SPEARMAN INTERCHANGE - SPEARMAN SUB 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.4384	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_4	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.4384	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_1	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.3788	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_2	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.3788	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_7	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.3549	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_8	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.3549	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_5	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.3013	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_6	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	104.2953	P12:115:SPS:W29.1.OCLTRE.SPRMN	
17G	06NR_3	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	103.1034	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	103.1034	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	103.0438	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	103.0438	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	103.0199	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	103.0199	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	102.9662	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	102.9603	SPEARMAN SUB - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.5141	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.5141	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.4545	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.4545	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.4306	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.4306	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.3769	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	HITCHLAND INTERCHANGE - Hansford County Switch Station 115KV CKT 1	157.3	0.02996	101.371	OCHILTREE - TEXAS FARMS SUB 115KV CKT 1	
17G	06ALL_4	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.1869	System Intact	
17G	06ALL_3	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.183	System Intact	
17G	06ALL_1	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.1521	System Intact	
17G	06ALL_2	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.1482	System Intact	
17G	06ALL_8	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.0439	System Intact	
17G	06ALL_7	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.0362	System Intact	
17G	06ALL_5	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.0052	System Intact	
17G	06ALL_6	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	242.7	0.05346	113.0014	System Intact	
20L	06ALL_4	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.5986	System Intact	
20L	06ALL_3	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.5909	System Intact	
20L	06ALL_1	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.5717	System Intact	
20L	06ALL_2	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.5679	System Intact	
20L	06ALL_8	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.4567	System Intact	
20L	06ALL_7	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.4491	System Intact	
20L	06ALL_5	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.4299	System Intact	
20L	06ALL_6	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	244.7	0.04516	111.4261	System Intact	
20WP	06ALL_4	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.3087	System Intact	
20WP	06ALL_3	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.3052	System Intact	
20WP	06ALL_1	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.288	System Intact	
20WP	06ALL_2	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.2811	System Intact	
20WP	06ALL_8	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.1811	System Intact	
20WP	06ALL_7	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.1777	System Intact	
20WP	06ALL_5	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.1604	System Intact	
20WP	06ALL_6	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.1	0.05448	104.1535	System Intact	
16WP	06ALL_4	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	104.1159	System Intact	
16WP	06ALL_3	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	104.1125	System Intact	
16WP	06ALL_1	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	104.0849	System Intact	
16WP	06ALL_2	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	104.0814	System Intact	
16WP	06ALL_8	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	103.9229	System Intact	
16WP	06ALL_7	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	103.9195	System Intact	
16WP	06ALL_5	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	103.8919	System Intact	
16WP	06ALL_6	0	FROM->TO	G16_086	KRESS INTERCHANGE - TULIA TAP 115KV CKT 1	272.2	0.05737	103.8885	System Intact	
17G	06NR_1	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	101.0136	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	101.0122	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.9979	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.9965	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.993	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.9916	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.9766	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.9752	G16-037-TAP 345.00 - GRACEMONT 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.4	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.3985	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_5	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.3843	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_6	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.3829	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.3793	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.3779	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_8	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.363	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	1320	0.20994	100.3616	CHISHOLM7 345.00 - G16-037-TAP 345.00 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.11986	106.9972	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.11986	106.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.11986	106.8485	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347	0.11986	106.8107	P12:345:SPS:J15.1.XRDS.TOLK	
20WP	00NR_7	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.7528	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.752	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.15669	102.7496	CIMARRON - NORTHWEST 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_7	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_8	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0897	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_5	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_6	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0857	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_3	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_4	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0755	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_1	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_2	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.10264	102.0724	CIMARRON - MATHWSN7 345.00 345KV CKT 2	
20WP	00NR_7	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_8	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3486	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_5	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_6	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3462	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_3	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_4	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3392	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_1	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1	
20WP	00NR_2	0	FROM->TO	G16_086	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	1192.3	0.11763	100.3368	CIMARRON - DRAPER LAKE 345KV CKT 1	
17G	06NR_7	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.7379	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_8	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.7353	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_3	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.7299	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_4	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.7272	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_5	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.6978	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_6	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.6978	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_2	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.6925	P12:345:SPS:J06.1.POTTER.HITCH	
17G	06NR_1	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	350.6	0.08193	116.6898	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_8	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.3078	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_7	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.3052	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_5	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.2702	P12:345:SPS:J06.1.POTTER.HITCH	
20L	06NR_6	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.2675	P12:345:SPS:J06.1.POTTER.HITCH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.2136	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_3	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.2109	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_1	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.1759	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06NR_2	0	TO->FROM	G16_086	MOORE COUNTY INTERCHANGE - POTTER COUNTY INTERCHANGE 230KV CKT 1	348.4	0.07108	111.1759	P12:345:SPSJ06.1.POTTER.HITCH	
20L	06ALL_7	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	518.2564	System Intact	
20L	06ALL_8	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	518.2564	System Intact	
20L	06ALL_5	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	517.9953	System Intact	
20L	06ALL_6	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	517.9953	System Intact	
20L	06ALL_3	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	517.9885	System Intact	
20L	06ALL_4	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	517.9885	System Intact	
20L	06ALL_1	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	517.7274	System Intact	
20L	06ALL_2	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	136.5	0.07694	517.7274	System Intact	
20WP	06ALL_7	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.4232	System Intact	
20WP	06ALL_8	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.4232	System Intact	
20WP	06ALL_5	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.2282	System Intact	
20WP	06ALL_6	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.2282	System Intact	
20WP	06ALL_3	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.2231	System Intact	
20WP	06ALL_4	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.2231	System Intact	
20WP	06ALL_1	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.0281	System Intact	
20WP	06ALL_2	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	182.8	0.09927	389.0281	System Intact	
16WP	06ALL_3	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	381	System Intact	
16WP	06ALL_4	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.995	System Intact	
16WP	06ALL_7	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.99	System Intact	
16WP	06ALL_8	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.985	System Intact	
16WP	06ALL_2	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.82	System Intact	
16WP	06ALL_1	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.815	System Intact	
16WP	06ALL_6	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.805	System Intact	
16WP	06ALL_5	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	187.6	0.10468	380.8	System Intact	
17G	06ALL_8	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	300.05	System Intact	
17G	06ALL_7	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	300.0463	System Intact	
17G	06ALL_4	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	299.9192	System Intact	
17G	06ALL_3	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	299.9155	System Intact	
17G	06ALL_5	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	299.9118	System Intact	
17G	06ALL_6	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	299.908	System Intact	
17G	06ALL_1	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	299.781	System Intact	
17G	06ALL_2	0	TO->FROM	G16_086	PALO DURO SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	251	0.09387	299.7772	System Intact	
20WP	00NR_1	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2502	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2489	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	111.2462	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3656	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3643	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3629	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715.4	0.05839	110.3629	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	106.3404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	106.3404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	0	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	714.9	0.05917	106.3391	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_8	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.4532	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_4	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.4059	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_3	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_5	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.4034	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_6	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.4009	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_1	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.3537	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
20L	06NR_2	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	377.2	0.07845	128.3512	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_3	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.4208	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.3943	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.381	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.3792	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	0	FROM->TO	G16_086	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	495.4	0.09862	108.3545	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	0	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.12454	108.0345	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.12454	108.0076	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.12454	107.8729	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	348.1	0.12454	107.8486	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	0	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.04237	127.4208	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	0	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.04237	127.3041	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	0	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.04237	127.1136	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	0	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152.7	0.04237	126.9969	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	148.7998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	148.7695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	148.249	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	148.2425	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	148.2188	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	148.2122	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	147.6935	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	147.6633	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.35215	140.9219	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.35215	140.8914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.35215	140.3675	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.2	0.35215	140.337	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.35215	140.1583	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.35215	140.1279	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.35215	139.6066	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556	0.35215	139.5763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.31305	124.6302	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.31305	124.615	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.31305	124.2198	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.31305	124.2047	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.31305	124.0866	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.4	0.31305	124.0715	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.31305	123.6778	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.31305	123.6627	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.32832	117.4679	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.32832	117.4528	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32832	117.2674	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32832	117.2523	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.32832	116.9309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559	0.32832	116.9158	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32832	116.7311	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20SP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32832	116.716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.32777	115.1907	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.32777	115.1806	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.32777	115.0137	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.32777	115.0036	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.32777	114.6472	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.2	0.32777	114.6388	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.32777	114.4708	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.8	0.32777	114.4624	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.29202	110.5079	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.29202	110.4925	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.29202	109.9629	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	550.8	0.29202	109.9459	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.29202	109.8352	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.29202	109.82	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.29202	109.2933	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.9	0.29202	109.2764	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	106.0148	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	105.9845	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	105.6018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	105.5716	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	105.4558	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.1	0.34925	105.4255	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	105.0446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.9	0.34925	105.0144	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.29629	103.5074	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.29629	103.4922	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.29629	103.3419	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.29629	103.3268	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.29629	102.9643	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	557.9	0.29629	102.9492	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.29629	102.7995	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	0	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	558.6	0.29629	102.7844	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	131.0267	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	131.014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	130.8501	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	130.8374	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.22065	117.9449	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_6	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	105.0063	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_5	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	104.9936	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_7	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	104.8297	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_8	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.22285	104.817	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.30897	103.6137	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.30897	103.584	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.30897	102.7305	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.30897	102.7023	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	101.685	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	101.685	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	101.4047	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	101.4047	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	101.3736	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	101.3736	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.53499	100.6451	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_5	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.30897	100.5233	P12:230:SPS:K27.1.PLANTX.TOLK	
16WP	06ALL_6	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.30897	100.4951	P12:230:SPS:K27.1.PLANTX.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	06ALL_1	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.52523	100.2708	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_2	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.52523	100.2355	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	100.1796	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_4	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	100.1796	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	100.1485	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_3	0	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.8	0.50794	100.1485	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20L	06NR_7	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.69	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.69	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.6776	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.6776	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.6497	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.6497	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.6373	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	104.6373	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5537	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5413	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5133	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	TO->FROM	G16_086	WALKEMEYER - WALKTAP3 115.00 115KV CKT 1	302.2	0.04117	100.5009	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6757	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6757	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6623	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6623	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6319	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6319	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6185	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	113.6185	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.35	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_8	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.35	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_5	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.3366	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_6	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.3366	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_3	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.3063	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_4	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.3063	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_1	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.2929	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_2	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	113.2929	P12:345:SPS:J04.1.FINN.HOLC(534)	
20L	06NR_7	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.1858	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.1723	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.142	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	278.4	0.04117	109.1285	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_7	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_8	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8729	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_5	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_6	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8595	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_3	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_4	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8293	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_1	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
20L	06NR_2	0	FROM->TO	G16_086	WALKTAP7 345.00 (WALKE345) 345/115/13.8KV TRANSFORMER CKT 1	279.2	0.04117	108.8158	P12:345:SPS:WALKEMEYER-FINNEY	
17G	06NR_1	0	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.04706	123.5761	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
17G	06NR_4	0	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.04706	123.4355	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	0	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.04706	123.4171	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	0	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	153.4	0.04706	123.2765	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.4052	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.3393	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.3347	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.2688	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.03261	120.1986	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_3	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.03261	120.1599	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_1	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.03261	120.1349	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_4	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.03261	120.0962	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1
17G	06NR_6	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.9338	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_5	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.8678	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_7	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.8633	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_8	2	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.7973	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	2	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.05257	105.1707	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.05257	105.0265	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.05257	105.0145	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	2	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.1	0.05257	104.8703	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_4	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_7	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_8	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.7038	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_1	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_2	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_5	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_6	2	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06661	101.6995	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1
17G	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.1807	117.0099	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.1807	116.9927	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.1807	116.7798	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.1807	116.7627	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.5316	P13:230-345:SPS:TUCO_INT.1
17G	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.5316	P13:230-345:SPS:TUCO_INT.2
17G	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.5316	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.5316	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
17G	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.4715	P13:230-345:SPS:TUCO_INT.1
17G	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.4715	P13:230-345:SPS:TUCO_INT.2
17G	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.4715	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.4715	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
17G	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.408	P13:230-345:SPS:TUCO_INT.1
17G	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.408	P13:230-345:SPS:TUCO_INT.2
17G	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.408	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.408	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
17G	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.3496	P13:230-345:SPS:TUCO_INT.1
17G	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.3496	P13:230-345:SPS:TUCO_INT.2
17G	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.3496	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	108.3496	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
17G	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	107.0175	P13:230-345:SPS:TUCO_INT.1
17G	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	107.0175	P13:230-345:SPS:TUCO_INT.2
17G	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	107.0175	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	107.0175	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2
17G	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.9591	P13:230-345:SPS:TUCO_INT.1
17G	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.9591	P13:230-345:SPS:TUCO_INT.2
17G	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.9591	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
17G	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.9591	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8956	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8956	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8956	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8956	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8355	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8355	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8355	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.14832	106.8355	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.3069	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.3069	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.3069	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.3069	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.221	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.221	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.221	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.221	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.2056	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.2056	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.2056	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.2056	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.118	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.118	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.118	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	105.118	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.5066	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.5066	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.5066	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.5066	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4208	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4208	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4208	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4208	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4053	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4053	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4053	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.4053	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
20L	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.3177	P13:230-345:SPS:TUCO_INT.1	
20L	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.3177	P13:230-345:SPS:TUCO_INT.2	
20L	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.3177	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.2	0.1096	104.3177	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.1807	100.0249	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.4	0.1807	100.0078	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06ALL_3	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.03586	107.1813	System Intact	
17G	06ALL_4	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.03586	107.1604	System Intact	
17G	06ALL_2	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.03586	107.1315	System Intact	
17G	06ALL_1	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.8	0.03586	107.1092	System Intact	
17G	06NR_3	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.05563	103.4744	System Intact	
17G	06NR_2	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.05563	103.4272	System Intact	
17G	06NR_4	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.05563	103.3329	System Intact	
17G	06NR_1	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716.1	0.05563	103.2858	System Intact	
20SP	06ALL_3	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03566	103.0761	System Intact	
20SP	06ALL_2	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03566	103.0289	System Intact	
20SP	06ALL_4	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03566	102.9909	System Intact	
20SP	06ALL_1	2	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	715.3	0.03566	102.9424	System Intact	
17G	06NR_3	2	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.07672	115.1575	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	2	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.07672	115.0883	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.07672	107.0624	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	94.9	0.07672	106.9932	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.07672	106.7489	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.07672	106.6795	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.07672	101.7546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.07672	101.6862	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.09879	132.5415	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.09879	132.5081	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.09879	132.3981	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.09879	132.3647	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.08913	128.7858	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.08913	128.7328	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.08913	128.6424	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.6	0.08913	128.5914	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.8382	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.8287	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.8061	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.8049	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.7954	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.0982	111.7954	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.541	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.541	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.5315	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.5315	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.5231	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12121	111.5231	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1432	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1432	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1337	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1337	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1111	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1099	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1004	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.0982	125.1004	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8784	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8784	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8689	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8689	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8605	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12121	124.8605	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.436	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.436	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.4265	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.4265	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.4075	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.4075	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.3968	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.1234	107.3968	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.488	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.488	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.4868	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.4868	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.4832	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.4832	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.4809	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.06101	106.4809	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1321	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1321	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1095	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1095	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12622	105.1	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8883	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8883	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8871	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08063	104.8836	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8315	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8303	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8291	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	104.8291	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4688	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4677	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07068	102.4677	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08369	102.1432	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5446	System Intact	
20L	06ALL_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5446	System Intact	
20L	06ALL_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5446	System Intact	
20L	06ALL_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5446	System Intact	
20L	06ALL_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5446	System Intact	
20L	06ALL_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5432	System Intact	
20L	06ALL_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5432	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.4	0.04751	101.5432	System Intact	
17G	06NR_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7097	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7085	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7074	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08601	100.7074	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_5	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4037	System Intact	
16WP	06ALL_6	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4037	System Intact	
16WP	06ALL_7	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4037	System Intact	
16WP	06ALL_8	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4037	System Intact	
16WP	06ALL_1	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4024	System Intact	
16WP	06ALL_2	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4024	System Intact	
16WP	06ALL_3	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4024	System Intact	
16WP	06ALL_4	2	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06528	100.4024	System Intact	
17G	06NR_3	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	145.8632	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	145.7963	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	144.6998	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	144.6248	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	143.7746	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	143.705	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	142.6112	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	142.5362	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	103.3707	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	103.3011	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	102.5607	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	102.4858	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	101.2821	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03807	101.2125	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	100.4721	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.3	0.03598	100.3972	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5836	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5674	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.527	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5243	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5108	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.04906	101.5082	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.05257	103.9461	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.05257	103.8149	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.05257	103.804	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.6	0.05257	103.6728	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.13447	123.9362	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.13447	123.8956	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.13447	123.7789	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	345.8	0.13447	123.7409	P12:345:SPS:J15.1.XRDS.TOLK	
16WP	00NR_1	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7375	P12:345:AEPW-NWTXARK7:VALLIANT7	
16WP	00NR_2	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7375	P12:345:AEPW-NWTXARK7:VALLIANT7	
16WP	00NR_3	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7348	P12:345:AEPW-NWTXARK7:VALLIANT7	
16WP	00NR_4	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7348	P12:345:AEPW-NWTXARK7:VALLIANT7	
16WP	00NR_5	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7294	P12:345:AEPW-NWTXARK7:VALLIANT7	
16WP	00NR_6	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7294	P12:345:AEPW-NWTXARK7:VALLIANT7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7267	P12:345:AEPW-NWTXARK7-VALIANT7	
16WP	00NR_8	2	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07298	102.7267	P12:345:AEPW-NWTXARK7-VALIANT7	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8384	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8305	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8292	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8094	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8094	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8002	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	134.8002	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4385	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4385	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4306	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4293	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4096	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4096	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4005	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	131.4005	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2772	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2681	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2668	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2497	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2497	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	130.2406	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0644	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0565	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0552	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0355	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0355	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0262	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06956	130.0262	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3731	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3718	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3652	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3639	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3625	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	128.356	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.1098	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.1098	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.102	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.1007	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.081	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.081	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.0718	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10236	126.0718	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9744	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9744	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9652	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9639	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9469	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9469	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9378	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10225	124.9378	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.561	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.5596	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.5504	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10203	123.5438	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.7452	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.7334	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.7084	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07121	122.6965	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.3346	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.3227	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.2964	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	115.2845	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.9155	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.905	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.8788	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10454	114.8683	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7501	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7488	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7408	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7211	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7132	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06135	111.7119	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.6032	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.594	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.5927	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.5729	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05669	111.5637	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.4452	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.4334	G14-074T 345.00 - OKLAUNION 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.407	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.063	111.3952	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.866	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.8568	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.8357	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.8265	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6817	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6725	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6516	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6424	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.2623	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.2531	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.2349	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.2257	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05641	110.2228	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.2046	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	110.1954	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.1154	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.1037	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.0814	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10624	110.0696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9464	System Intact	
20L	06ALL_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9464	System Intact	
20L	06ALL_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9371	System Intact	
20L	06ALL_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9371	System Intact	
20L	06ALL_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9171	System Intact	
20L	06ALL_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9171	System Intact	
20L	06ALL_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9078	System Intact	
20L	06ALL_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05038	109.9078	System Intact	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.7207	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.7114	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.6917	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.6825	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.6492	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.6479	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.6374	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.636	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10479	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.5048	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.4956	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.4746	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.087	109.4655	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3934	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3921	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3828	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3815	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3802	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.3723	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	109.371	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3696	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3604	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3407	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05393	109.3314	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1678	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1586	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1375	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1283	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	109.1283	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.121	P12:345:AEPW:O.K.U.-7:L.E.S.-7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.1092	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09264	109.0698	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9895	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.979	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9788	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9696	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.962	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9607	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9515	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9485	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.0559	108.9393	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8824	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8732	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8534	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.058	108.8442	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5876	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5784	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5588	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.5496	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.4797	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.4719	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.4522	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09127	108.443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3916	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3906	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3892	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3825	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3814	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3801	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3628		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_5		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3604		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3604		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3536		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3536		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3512		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3512		P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3452		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3452		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3361		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3361		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_5		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3164		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3164		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3085		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08627	108.3072		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.238		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.238		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.2288		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.2288		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_5		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.2091		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.2091		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.1999		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08343	108.1999		G15066_T 345.00 - SOONER 345KV CKT 1
20L	06NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8405		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8405		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8313		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8313		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8115		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_5		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8102		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8023		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20L	06NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05392	107.8023		P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7
20WP	00NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7343		P13:138-24:AEPW:TURK 4
20WP	00NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7343		P13:138-24:AEPW:TURK 4
20WP	00NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7251		P13:138-24:AEPW:TURK 4
20WP	00NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7251		P13:138-24:AEPW:TURK 4
20WP	00NR_5		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7054		P13:138-24:AEPW:TURK 4
20WP	00NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7054		P13:138-24:AEPW:TURK 4
20WP	00NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.6962		P13:138-24:AEPW:TURK 4
20WP	00NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.6962		P13:138-24:AEPW:TURK 4
20L	06NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.6092		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.6092		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.6		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.6		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_5		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5789		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_6		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5789		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_7		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5697		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_8		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5697		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.553		RIVER BEND 230/21.5KV TRANSFORMER CKT 1
20L	06NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.553		RIVER BEND 230/21.5KV TRANSFORMER CKT 1
20L	06NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5438		RIVER BEND 230/21.5KV TRANSFORMER CKT 1
20L	06NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5438		RIVER BEND 230/21.5KV TRANSFORMER CKT 1
20WP	00NR_1		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5349		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_2		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5349		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_3		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5257		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4		2 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5257		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5228	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	107.5135	RIVER BEND 230/21.5KV TRANSFORMER CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.506	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5047	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.4955	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3287	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3195	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.2998	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.2906	P13:138-24:AEPW:PIRKEY 4	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0248	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.017	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0025	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0012	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	106.9947	P12:345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9431	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9339	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9143	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9051	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7846	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7832	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7754	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7741	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7584	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09203	106.7492	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.7379	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.7366	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.7274	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.7104	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.7091	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08508	106.6999	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.4088	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.3996	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.3983	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.3786	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.3694	PARK LANE - SEMINOLE 138KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08191	106.3681		PARK LANE - SEMINOLE 138KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3312		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3312		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3221		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3221		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3037		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3037		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.2946		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.2933		P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1497		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1484		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1366		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1366		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1144		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1131		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1013		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09349	106.1013		P12:345:AEPW:O.K.U.-7:L.E.S.-7
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0452		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0452		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.036		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.036		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.0192		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.0192		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.019		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0177		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.01		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.01		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0085		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0085		DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9904		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.989		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9812		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9812		P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9382		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9382		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9291		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9291		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.912		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.912		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9029		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9029		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.891		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8896		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8805		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8805		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8635		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8635		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8543		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.8543		CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8357		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8357		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8252		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8252		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8082		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8069		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.7977	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.5281	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.5268	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.5177	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.5099	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.5086	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.5006	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.5006	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.4967	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.4915	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08444	105.4915	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09269	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.4032	P13-138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.4032	P13-138-24:AEPW:TURK 4	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3941	P13-138-24:AEPW:TURK 4	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3941	P13-138-24:AEPW:TURK 4	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.377	P13-138-24:AEPW:TURK 4	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3757	P13-138-24:AEPW:TURK 4	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3666	P13-138-24:AEPW:TURK 4	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3666	P13-138-24:AEPW:TURK 4	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2954	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2954	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2875	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2875	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2744	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2744	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2666	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07963	105.2666	P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.215	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.2071	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.194	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1927	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1862	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1849	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0125	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0125	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0033	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0033	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9863	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.985	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9758	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9758	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8367	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8367	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8275	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8275	P12-345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8105	P12-345:EES-AEPW:7SAREPT:LONGWD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8092	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08	104.8	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	104.4767	P13:138-24:AEPW:TURK 4	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	104.4675	P13:138-24:AEPW:TURK 4	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	104.4675	P13:138-24:AEPW:TURK 4	
16WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1612	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1599	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1507	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1337	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1245	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1232	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.9139	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.9047	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7955	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7849	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.7783	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.7011	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.6918	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.6852	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6777	System Intact	
20L	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6777	System Intact	
20L	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6685	System Intact	
20L	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6685	System Intact	
20L	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6474	System Intact	
20L	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6474	System Intact	
20L	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6382	System Intact	
20L	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05343	103.6382	System Intact	
17G	06ALL_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5628	System Intact	
17G	06ALL_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5628	System Intact	
17G	06ALL_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5536	System Intact	
17G	06ALL_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5536	System Intact	
17G	06ALL_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5351	System Intact	
17G	06ALL_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5351	System Intact	
17G	06ALL_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5259	System Intact	
17G	06ALL_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08045	103.5259	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.4052	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.3946	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08786	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1764	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1658	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1609	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1596	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08621	103.1592	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1543	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.153	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1517	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1503	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1451	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08455	103.1437	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9245	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9245	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9152	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9152	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08135	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.9017	System Intact	
20WP	06ALL_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.9017	System Intact	
20WP	06ALL_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.8924	System Intact	
20WP	06ALL_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.8924	System Intact	
20WP	06ALL_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.8713	System Intact	
20WP	06ALL_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.8713	System Intact	
20WP	06ALL_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.862	System Intact	
20WP	06ALL_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08177	102.862	System Intact	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.23	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.2234	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.2208	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	102.2142	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9608	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9595	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9542	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9529	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9502	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08274	101.9436	PARK LANE - SEMINOLE 138KV CKT 1	
20WP	00NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8602	System Intact	
20WP	00NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8602	System Intact	
20WP	00NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.851	System Intact	
20WP	00NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.851	System Intact	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8366	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8361	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8353	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8313	System Intact	
20WP	00NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8313	System Intact	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.83	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8294	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8287	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8274	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8268	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8261	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8221	System Intact	
20WP	00NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8221	System Intact	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8208	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08418	101.8202	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08641	101.8195	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6488	System Intact	
16WP	06ALL_2	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6488	System Intact	
16WP	06ALL_3	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6395	System Intact	
16WP	06ALL_4	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6395	System Intact	
16WP	06ALL_5	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6211	System Intact	
16WP	06ALL_6	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6211	System Intact	
16WP	06ALL_7	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6118	System Intact	
16WP	06ALL_8	2	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.0858	100.6118	System Intact	
17G	06NR_1	2	TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.05257	110.5067	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.05257	110.3758	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.05257	110.3649	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172	0.05257	110.234	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.14015	126.1263	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.14015	126.0993	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.14015	125.9591	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.7	0.14015	125.9321	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.7277	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.6105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.4192	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.3019	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.6265	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.5092	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_6	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.3179	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.2007	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.04287	101.2989	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_4	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.04287	101.2063	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_2	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.04287	100.9039	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
17G	06NR_3	2	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.04287	100.8113	P12:230:SPS:K02.1.SUNDWN.WOLFTH	
20WP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.31954	130.0309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.31954	130.0156	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.31954	129.4865	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	553.1	0.31954	129.4729	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.31954	129.1413	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.31954	129.1262	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.35375	128.7403	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.35375	128.7101	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.35375	128.6177	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.31954	128.6004	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.35375	128.5876	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.6	0.31954	128.5869	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.35375	128.1888	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.6	0.35375	128.1587	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.35375	128.0666	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.9	0.35375	128.0364	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.3256	121.26	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.3256	121.2515	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.3256	120.7102	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.3256	120.7052	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	554.5	0.3256	120.7018	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.3256	120.6968	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.3256	120.1577	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.8	0.3256	120.1493	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32412	112.9846	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32412	112.9695	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32412	112.8277	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32412	112.8126	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32412	112.446	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32412	112.4326	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32412	112.2897	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32412	112.2763	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32351	110.5014	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32351	110.493	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32351	110.3293	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32351	110.3209	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32351	109.9578	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.1	0.32351	109.9494	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32351	109.7863	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	559.7	0.32351	109.778	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.30288	108.3164	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.30288	108.3029	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_1	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.30288	107.99	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_2	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.30288	107.9765	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.30288	107.7756	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	555.1	0.30288	107.7604	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_4	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.30288	107.4506	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06ALL_3	2	TO->FROM	G16_086	TOLK STATION (ABBXNL844501) 345/230/13.2KV TRANSFORMER CKT 1	556.5	0.30288	107.4354	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	138.5537	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_4	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	138.4063	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	138.394	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	138.2466	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	118.5793	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	118.4626	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	118.2722	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_3	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	118.1616	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_5	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	113.6467	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_8	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	113.53	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_6	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	113.3396	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_7	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05531	113.2228	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_1	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.03133	108.401	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.03133	108.3519	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.03133	108.229	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.03133	108.186	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	107.5143	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	107.3669	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	107.3546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	2	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.7	0.05257	107.2072	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.381	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.315	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.3105	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	130.2445	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.0298	118.8082	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.0298	118.774	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.0298	118.7445	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.0298	118.7104	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.9095	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.8436	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.839	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	TO->FROM	G16_086	AMOCO SWITCHING STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	412.5	0.05188	102.7731	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.05258	105.1034	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.05258	104.9593	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.05258	104.9473	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_086	CARLISLE INTERCHANGE - LP-DOUD_TP 3115.00 115KV CKT 1	156.2	0.05258	104.8031	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7059	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_086	CHISHOLM6 230.00 - ELK CITY 230KV 230KV CKT 1	438.9	0.06656	101.7016	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.18072	117.053	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.18072	117.0359	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.18072	116.8229	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.18072	116.8058	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.8936	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_1	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.8936	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_1	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.8936	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.8936	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_2	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.837	P13:230-345:SPS:TUCO_INT.1	
17G	06NR_2	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.837	P13:230-345:SPS:TUCO_INT.2	
17G	06NR_2	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.837	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.13179	105.837	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_7	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546	0.09603	102.5303	TUCO INTERCHANGE (SIEM 8743066) 345/230/13.2KV TRANSFORMER CKT 2	
17G	06NR_5	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.18072	100.065	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	TO->FROM	G16_086	CRAWFISH_DR2230.00 - TUCO INTERCHANGE 230KV CKT 1	546.3	0.18072	100.0478	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.04581	101.9379	System Intact	
17G	06NR_2	3	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.04581	101.8711	System Intact	
17G	06NR_4	3	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.04581	101.7859	System Intact	
17G	06NR_1	3	FROM->TO	G16_086	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	716	0.04581	101.7178	System Intact	
17G	06NR_3	3	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.07672	115.1415	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.07672	115.0823	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.07672	107.055	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95	0.07672	106.9859	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	3	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95.3	0.06947	100.1611	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	3	FROM->TO	G16_086	CURRY COUNTY INTERCHANGE - DEAF SMITH REC-#20 115KV CKT 1	95.3	0.06947	100.1316	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.07672	106.8546	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_086	DEAF SMITH REC-#20 - PARMER COUNTY SUB 115KV CKT 1	94.6	0.07672	106.7951	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.07672	101.8588	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_086	DEAF SMITH REC-#24 - PARMER COUNTY SUB 115KV CKT 1	96	0.07672	101.8002	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.0988	132.6199	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_1	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.0988	132.5865	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_3	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.0988	132.4765	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_2	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.0988	132.4431	P12:345:SPS:J15.1.XRDS.TOLK	
20L	06NR_4	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.08723	128.1379	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.08723	128.0809	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.08723	127.9945	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	EDDY COUNTY INTERCHANGE - EDDY_NORTH 6230.00 230KV CKT @1	477.4	0.08723	127.9375	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.8418	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.8322	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.8322	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.8073	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.8073	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.7978	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.8	0.09817	111.7978	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5434	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5422	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5338	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5327	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	788.2	0.12123	111.5243	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1467	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1467	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1372	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1372	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1123	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1123	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1027	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.09817	125.1027	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8808	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8796	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8712	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8701	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.12123	124.8617	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4511	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4416	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4214	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4202	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.12336	107.4107	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4765	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4753	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4718	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.061	106.4706	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1567	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1472	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1222	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
20WP	00NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.12618	105.1127	CRAWFISH765 765.00 - SEMINOLE765 765.00 765KV CKT 1	
16WP	00NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8907	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8895	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8859	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
16WP	00NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.08062	104.8848	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
17G	06NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8188	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8176	CIMARRON - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	104.8176	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4574	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4562	CIMARRON - MINCO 345KV CKT 1	
20L	06NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	789	0.07066	102.4562	CIMARRON - MINCO 345KV CKT 1	
20WP	00NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1504	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1492	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1456	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20WP	00NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.9	0.08368	102.1444	P12:345:AEPW-OKGE:PITTSB-7:SEMINOL7	
20L	06ALL_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4889	System Intact	
20L	06ALL_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4889	System Intact	
20L	06ALL_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4875	System Intact	
20L	06ALL_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4875	System Intact	
20L	06ALL_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4875	System Intact	
20L	06ALL_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4875	System Intact	
20L	06ALL_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4875	System Intact	
20L	06ALL_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	715.3	0.04749	101.4875	System Intact	
17G	06NR_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6971	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6959	GRACEMONT - MINCO 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	788.5	0.08599	100.6959	GRACEMONT - MINCO 345KV CKT 1	
16WP	06ALL_7	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4037	System Intact	
16WP	06ALL_8	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4037	System Intact	
16WP	06ALL_2	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4024	System Intact	
16WP	06ALL_3	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4024	System Intact	
16WP	06ALL_4	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4024	System Intact	
16WP	06ALL_5	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4024	System Intact	
16WP	06ALL_6	3	FROM->TO	G16_086	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	716.6	0.06526	100.4024	System Intact	
17G	06NR_3	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	145.8216	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	145.7547	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	144.3828	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_2	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	144.3052	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_4	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	143.7336	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	143.664	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	142.2948	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_1	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	142.2172	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_7	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	103.3412	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	103.2716	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	102.3522	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_6	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	102.2772	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_8	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	101.2532	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_5	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03807	101.1836	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	100.2642	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_5	3	FROM->TO	G16_086	G15079_T 230.00 - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	350.4	0.03546	100.1892	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.4552	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.4525	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.3959	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	348.1	0.0485	101.3932	CHISHOLM7 345.00 - CHSHLMWEST 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.05258	103.8856	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.05258	103.7544	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_2	3	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.05258	103.7435	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_086	LP-DOUD_TP 3115.00 - SP-WOLF_TP 3115.00 115KV CKT 1	171.7	0.05258	103.6124	P12:345:SPS:J15.1.XRDS.TOLK	
17G	06NR_1	3	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFORTH INTERCHANGE 230KV CKT 1	346.1	0.13448	123.8315	P12:345:SPS:J15.1.XRDS.TOLK	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_2	3	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.13448	123.7908	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.13448	123.6743	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	TO->FROM	G16_086	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	346.1	0.13448	123.6364	P12:345:SPSJ15.1.XRDS.TOLK	
16WP	00NR_2	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7315	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_1	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7306	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_3	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7279	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_4	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7279	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_5	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7225	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_6	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7225	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_7	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7198	P12:345:AEPW-NWTXARK7-VALLIANT7	
16WP	00NR_8	3	TO->FROM	G16_086	LYDIA - VALLIANT 345KV CKT 1	1042.9	0.07299	102.7189	P12:345:AEPW-NWTXARK7-VALLIANT7	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.8169	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.8077	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.7853	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	134.7774	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4424	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4333	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4109	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	131.4018	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2811	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.272	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2707	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2524	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	130.2432	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.057	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.0478	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.0254	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06957	130.0175	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3744	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3665	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3652	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3639	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	128.3573	G14-057T 345.00 - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.1138	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.1046	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.0823	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10235	126.0731	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9783	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9783	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9692	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9679	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9495	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9495	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10224	124.9404	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5623	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5544	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.553	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5517	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10207	123.5451	G14-057T 345.00 - LAWTON EASTSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.7251	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.7132	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.6856	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.07124	122.675	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.3284	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.3284	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.3166	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.3166	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.2876	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.2863	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.2744	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	115.2744	P12:345:AEPW-O.K.U.-7:L.E.S.-7	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.9194	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.9076	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.8801	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.10453	114.8696	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7426	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7413	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7334	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7123	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06137	111.7031	P12:345:AEPW-OKGE:PITTSB-7:JOHNC07	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5957	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5944	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5865	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5852	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5628	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5536	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05671	111.5536	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.4391	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.4272	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.3983	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.3969	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.06301	111.3851	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.8586	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.8494	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.827	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.8178	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6857	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6844	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6765	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6752	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6529	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	110.6437	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.2548	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.2456	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.2274	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.2232	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.2182	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05643	110.214	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.1958	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	110.1866	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.1333	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.1216	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.098	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.0862	MUSKOGEE - SEMINOLE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.10623	110.0849	MUSKOGEE - SEMINOLE 345KV CKT 1	
20L	06ALL_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.9632	System Intact	
20L	06ALL_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.9632	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06ALL_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.9539	System Intact	
20L	06ALL_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.9539	System Intact	
20L	06ALL_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.9313	System Intact	
20L	06ALL_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.9313	System Intact	
20L	06ALL_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.922	System Intact	
20L	06ALL_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	705.1	0.05037	109.922	System Intact	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.7132	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.704	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.6816	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.6737	CLEVELAND - G15066_T 345.00 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6506	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6413	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.64	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6387	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6294	MUSKOGEE - SEMINOLE 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.10484	109.6281	MUSKOGEE - SEMINOLE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.5074	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.4983	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.4759	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08699	109.4668	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3947	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3947	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3842	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3828	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3815	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.3723	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	109.371	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.3622	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.353	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.3306	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05395	109.3227	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1603	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1511	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1287	P13:138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1287	P13:138-24:AEPW:TURK 4	
20L	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1287	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1287	P13:138-24:AEPW:TURK 4	
20WP	00NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.1249	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.1249	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20L	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1195	P13:138-24:AEPW:TURK 4	
20L	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1195	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	109.1195	P13:138-24:AEPW:TURK 4	
20WP	00NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.1131	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.1131	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.083	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
20WP	00NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09262	109.0712	P12:345:AEPW:O.K.U.-7:L.E.S.-7	
16WP	00NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	109.0074	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	109.0061	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9969	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9772	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9713	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
16WP	00NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
16WP	00NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	108.9681	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
20L	06NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9621	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9397	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05592	108.9305	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20L	06NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8737	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8658	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8434	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20L	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05802	108.8341	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5902	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5824	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5811	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5601	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.5509	CLEVELAND - G15066_T 345.00 345KV CKT 1	
20WP	00NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4824	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4745	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4535	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	
20WP	00NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.09126	108.4443	P12:345:AEPW-OKGE:PITTSB-7:JOHNCO7	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3943	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3932	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3864	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3851	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.384	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3641	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3628	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3617	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	108.3549	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08419	108.3525	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.3479	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.34	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.3177	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08626	108.3085	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2406	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2327	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2314	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2104	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08342	108.2012	G15066_T 345.00 - SOONER 345KV CKT 1	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.8317	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.8238	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.8225	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.8014	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05394	107.7922	P12:345:AEPW-GRDA:T.NO.-7:CLEVLND7	
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7369	P13:138-24:AEPW:TURK 4	
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7369	P13:138-24:AEPW:TURK 4	
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.729	P13:138-24:AEPW:TURK 4	
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7277	P13:138-24:AEPW:TURK 4	
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7067	P13:138-24:AEPW:TURK 4	
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.7054	P13:138-24:AEPW:TURK 4	
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.6976	P13:138-24:AEPW:TURK 4	
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.6976	P13:138-24:AEPW:TURK 4	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.6018	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5925	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5701	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5609	GRAND GULF 500/22.0KV TRANSFORMER CKT 1	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5609		GRAND GULF 500/22.0KV TRANSFORMER CKT 1
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5456		FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5456		FANCY POINT - RIVER BEND 230KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5388		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5375		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5364		FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5364		FANCY POINT - RIVER BEND 230KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5296		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.5283		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.514		FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.514		FANCY POINT - RIVER BEND 230KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.506		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.506		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5048		FANCY POINT - RIVER BEND 230KV CKT 1
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	107.5048		FANCY POINT - RIVER BEND 230KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.4968		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0855	107.4968		G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3313		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3313		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3235		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3221		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.3012		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.2998		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.292		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	107.292		P13-138-24:AEPW:PIRKEY 4
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0275		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0275		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0196		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0196		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0025		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	107.0025		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	106.996		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07905	106.996		P12-345:AEPW-OKGE:I.E.S.-7:GRACMNT7
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9457		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9457		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9366		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9366		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9156		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9156		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9064		P12-345:EES-AEPW:7SAREPT:LONGWD7
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.07918	106.9064		P12-345:EES-AEPW:7SAREPT:LONGWD7
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.8011		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.8011		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.792		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.792		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.7736		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.7736		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.7645		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09202	106.7645		P12-345:AEPW-OKGE:PITTSB-7:JOHNCO7
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7405		P12-345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7405		P12-345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7313		P12-345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7313		P12-345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7117		P12-345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7117		P12-345:AEPW-WFEC:VALIANT7:HUGO7

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY	
						(MVA)	TDF	LOADING %	CONTINGENCY
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7025	P12:345:AEPW-WFEC:VALIANT7:HUGO7
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08507	106.7012	P12:345:AEPW-WFEC:VALIANT7:HUGO7
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.4114	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.4114	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.4022	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.4022	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.3786	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.3786	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.3694	PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.0819	106.3694	PARK LANE - SEMINOLE 138KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3491	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3399	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3386	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3203	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.319	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08823	106.3098	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1676	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1663	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1545	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1545	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1296	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1296	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1165	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.09347	106.1165	P12:345:AEPW-O.K.U.-7:L.E.S.-7
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0491	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0399	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0386	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.0218	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0203	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	106.0127	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0111	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	106.0098	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1
20WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9904	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
20WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08003	105.9812	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9561	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9469	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9456	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9273	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08693	105.9181	JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8936	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8844	CLEVELAND - G15066_T 345.00 345KV CKT 1
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8661	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.8556	CLEVELAND - G15066_T 345.00 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8396	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8383	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8291	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8095	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08633	105.8004	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.5308	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.5216	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.5112	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.5033	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.5007	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.4994	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.498	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08443	105.4928	G15066_T 345.00 - SOONER 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.4888	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.09274	105.4875	G14-074T 345.00 - OKLAUNION 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.4071	P13-138-24:AEPW:TURK 4	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.398	P13-138-24:AEPW:TURK 4	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3967	P13-138-24:AEPW:TURK 4	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3784	P13-138-24:AEPW:TURK 4	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3692	P13-138-24:AEPW:TURK 4	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.3679	P13-138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2993	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2993	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2915	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2915	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.277	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2757	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2692	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07964	105.2679	P12-345:AEPW-OKGE:L.E.S.-7:GRACMNT7	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.2189	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.2111	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1954	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.05749	105.1875	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0164	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0073	P13-138-24:AEPW:PIRKEY 4	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	105.0059	P13-138-24:AEPW:PIRKEY 4	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9876	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9876	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9775	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08165	104.9772	P13:138-24:AEPW:PIRKEY 4	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8406	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8406	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8301	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8301	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8118	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.07999	104.8026	P12:345:EES-AEPW:7SAREPT:LONGWD7	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	104.4794	P13:138-24:AEPW:TURK 4	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	104.4781	P13:138-24:AEPW:TURK 4	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	104.4688	P13:138-24:AEPW:TURK 4	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	104.4688	P13:138-24:AEPW:TURK 4	
16WP	00NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1778	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1686	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.149	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
16WP	00NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	716.6	0.08091	104.1398	P12:345:CLEC-AEPW:DOLHILL7:SWSHV7	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.9165	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.9152	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.9086	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.9073	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.906	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.8994	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.8981	DOLET HILLS 345/24.0KV TRANSFORMER CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7968	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7889	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7876	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7863	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.7797	G16-063-TAP 345.00 - HUGO 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.7037	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.7024	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.6958	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.6945	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.6931	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.6865	P13:138-24:AEPW:PIRKEY 4	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	103.6852	P13:138-24:AEPW:PIRKEY 4	
20L	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6703	System Intact	
20L	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6703	System Intact	
20L	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6611	System Intact	
20L	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6611	System Intact	
20L	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6387	System Intact	
20L	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6387	System Intact	
20L	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6294	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20L	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	712.2	0.05345	103.6294	System Intact	
17G	06ALL_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5642	System Intact	
17G	06ALL_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5642	System Intact	
17G	06ALL_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5549	System Intact	
17G	06ALL_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5549	System Intact	
17G	06ALL_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5351	System Intact	
17G	06ALL_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5351	System Intact	
17G	06ALL_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5259	System Intact	
17G	06ALL_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.2	0.08043	103.5259	System Intact	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.4065	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.3986	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.3972	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.3959	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.3893	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08791	103.388	P12:345:AEPW-OKGE:R.S.S.-7:REDBUD7	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1777	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1763	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1698	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1685	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1684	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1672	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.167	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1657	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08625	103.1606	G16-063-TAP 345.00 - SUNNYSIDE 345KV CKT 1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1591	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08459	103.1578	P12:345:AEPW-WFEC:VALIANT7:HUGO7	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9258	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9258	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9192	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9192	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9179	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9179	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9165	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9165	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_7	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9086	P13:345-18:AEPW:WELSH 7_#3	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9086	P13:345-18:AEPW:WELSH 7_#1	
17G	06NR_8	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08139	102.9086	P13:345-18:AEPW:WELSH 7_#3	
20WP	06ALL_1	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.903	System Intact	
20WP	06ALL_2	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.903	System Intact	
20WP	06ALL_3	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.8937	System Intact	
20WP	06ALL_4	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.8937	System Intact	
20WP	06ALL_5	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.8713	System Intact	
20WP	06ALL_6	3	TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.8713	System Intact	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
20WP	06ALL_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.862		System Intact
20WP	06ALL_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	709.1	0.08175	102.862		System Intact
17G	06NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2313		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2313		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2247		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2234		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2221		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2221		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2155		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	102.2142		CLEVELAND - G15066_T 345.00 345KV CKT 1
17G	06NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9621		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9608		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9542		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9529		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9516		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9516		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.945		PARK LANE - SEMINOLE 138KV CKT 1
17G	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08278	101.9436		PARK LANE - SEMINOLE 138KV CKT 1
20WP	00NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8628		System Intact
20WP	00NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8628		System Intact
20WP	00NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8549		System Intact
20WP	00NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8536		System Intact
17G	06NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8514		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8514		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8448		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8435		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8422		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8422		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_1		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.8379		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.8366		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8356		G15066_T 345.00 - SOONER 345KV CKT 1
17G	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08422	101.8343		G15066_T 345.00 - SOONER 345KV CKT 1
20WP	00NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8326		System Intact
20WP	00NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8313		System Intact
17G	06NR_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.83		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.83		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.8287		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.8274		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
20WP	00NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8234		System Intact
20WP	00NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	715	0.08073	101.8234		System Intact
17G	06NR_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.8208		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
17G	06NR_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.7	0.08645	101.8208		JOHNSON COUNTY - SUNNYSIDE 345KV CKT 1
16WP	06ALL_2		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6642		System Intact
16WP	06ALL_3		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6549		System Intact
16WP	06ALL_4		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6549		System Intact
16WP	06ALL_5		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6351		System Intact
16WP	06ALL_6		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6351		System Intact
16WP	06ALL_7		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6259		System Intact
16WP	06ALL_8		3 TO->FROM	G16_086	PITTSBURG - SEMINOLE 345KV CKT 1	710.9	0.08578	100.6259		System Intact
17G	06NR_1		3 TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.05258	110.4425		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_4		3 TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.05258	110.3117		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2		3 TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.05258	110.3008		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_3		3 TO->FROM	G16_086	SP-WOLF_TP 3115.00 - YUMA INTERCHANGE 115KV CKT 1	172.1	0.05258	110.1699		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_2		3 FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.14016	126.0353		P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_1		3 FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.14016	126.011		P12:345:SPS:J15.1.XRDS.TOLK

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE		CONTINGENCY		CONTINGENCY
						(MVA)	TDF	LOADING %		
17G	06NR_3	3	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.14016	125.868	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_086	SUNDOWN INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1	347.8	0.14016	125.8411	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.6619	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.5447	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.3534	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	139.2361	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_5	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.5607	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_8	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.4435	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_6	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.2522	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_7	3	FROM->TO	G16_086	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	152	0.0469	105.1349	P12:345:SPSJ15.1.XRDS.TOLK	
20WP	06ALL_1	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.21899	121.5757	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.21899	121.5531	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.21899	121.4767	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.21899	121.454	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.22065	117.9407	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.22065	117.74	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
16WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.22065	117.7372	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_1	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.21997	113.3528	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.21997	113.3512	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.21997	113.1309	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
17SP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	608.6	0.21997	113.1278	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_1	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.22532	107.3915	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.22532	107.3668	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.22532	107.2834	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20SP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	607.7	0.22532	107.2588	CROSSROADS 7345.00 - TOLK STATION 345KV CKT 1	
20WP	06ALL_1	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	104.5022	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_1	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	104.5022	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	104.4555	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	104.4555	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_1	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.53515	103.5247	P12:230:SPS:K51.1.OASIS.RSVLT	
20WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.53515	103.4752	P12:230:SPS:K51.1.OASIS.RSVLT	
20WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	103.3141	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	103.3141	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	103.266	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	103.266	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	101.6751	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	101.6751	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.53515	101.5191	P12:230:SPS:K51.1.OASIS.RSVLT	
20WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.53515	101.4696	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_2	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.53499	100.6338	P12:230:SPS:K51.1.OASIS.RSVLT	
16WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	100.4427	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_4	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	100.4427	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
16WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	100.4328	P12:230:SPS:K18.1.RSVLT_S.TOLK	
16WP	06ALL_3	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.7	0.51527	100.4328	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_5	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	100.1063	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_5	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	100.1063	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
20WP	06ALL_6	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	100.0597	P12:230:SPS:K18.1.RSVLT_S.TOLK	
20WP	06ALL_6	3	TO->FROM	G16_086	TOLK STATION TAP - TOLK STATION WEST 230KV CKT @1	663.2	0.5152	100.0597	Roosevelt County Interchange SOUTH - Roosevelt County Interchange SWITCH #4K33 230KV CKT @1	
17G	06NR_1	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	138.463	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_4	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	138.3157	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_2	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	138.3034	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_3	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	138.1561	P12:345:SPSJ15.1.XRDS.TOLK	
17G	06NR_1	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	115.5524	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_4	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	115.4665	P12:230:SPS:K10.1.LUBBS.WOLFFTH	
17G	06NR_2	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	115.2455	P12:230:SPS:K10.1.LUBBS.WOLFFTH	

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
17G	06NR_3	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	115.1657	P12:230:SPS:K10.1.LUBBS.WOLFTH
17G	06NR_5	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	110.6599	P12:230:SPS:K10.1.LUBBS.WOLFTH
17G	06NR_8	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	110.5739	P12:230:SPS:K10.1.LUBBS.WOLFTH
17G	06NR_6	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	110.3529	P12:230:SPS:K10.1.LUBBS.WOLFTH
17G	06NR_7	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05012	110.267	P12:230:SPS:K10.1.LUBBS.WOLFTH
17G	06NR_5	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	107.4439	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_8	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	107.2966	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_6	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	107.2843	P12:345:SPS:J15.1.XRDS.TOLK
17G	06NR_7	3	FROM->TO	G16_086	WOLFFORTH INTERCHANGE - YUMA INTERCHANGE 115KV CKT 1	152.8	0.05258	107.137	P12:345:SPS:J15.1.XRDS.TOLK

10.8 H-AS: FCITC Analysis Constraints for Potential Upgrades

See next page.

SEASON	GROUP	SCENARIO	DIRECTION	SOURCE	MONITORED ELEMENT	RATE (MVA)	TDF	CONTINGENCY LOADING %	CONTINGENCY
					Currently none at this time				

10.9 **H: FCITC Analysis Constraints Not Requiring Transmission Reinforcement**

Available upon request. Please contact the SPP Generator Interconnection Department to request Appendix H results.

Scenario Number	Scenario Description	Group Name
Scenario #1	Group 6 HVER	06ALL_1
	Group 6 NRIS	06NR_1, 00NR_1
Scenario #2	Group 6 HVER	06ALL_2
	Group 6 NRIS	06NR_2, 00NR_2
Scenario #3	Group 6 HVER	06ALL_3
	Group 6 NRIS	06NR_3, 00NR_3
Scenario #4	Group 6 HVER	06ALL_4
	Group 6 NRIS	06NR_4, 00NR_4
Scenario #5	Group 6 HVER	06ALL_5
	Group 6 NRIS	06NR_5, 00NR_5
Scenario #6	Group 6 HVER	06ALL_6
	Group 6 NRIS	06NR_6, 00NR_6
Scenario #7	Group 6 HVER	06ALL_7
	Group 6 NRIS	06NR_7, 00NR_7
Scenario #8	Group 6 HVER	06ALL_8
	Group 6 NRIS	06NR_8, 00NR_8
Scenario #9	Group 6 HVER	06ALL_9
	Group 6 NRIS	06NR_9, 00NR_9
Scenario #10	Group 6 HVER	06ALL_10
	Group 6 NRIS	06NR_10, 00NR_10
Scenario #11	Group 6 HVER	06ALL_11
	Group 6 NRIS	06NR_11, 00NR_11
Scenario #12	Group 6 HVER	06ALL_12
	Group 6 NRIS	06NR_12, 00NR_12