

Definitive Interconnection
System Impact Study for
Generation Interconnection
Requests
(DISIS-2011-001-2)

May 2012

Generation Interconnection

Revision History

Date	Author	Change Description
07/29/2011	SPP	Report Issued (DISIS-2011-001)
12/16/2011	SPP	Account for Withdrawn Projects, Report Re-Posted (DISIS-2011-001-1)
05/04/2012	SPP	Account for Withdrawn Projects, Report Re-Posted (DISIS-2011-001-2)

Executive Summary

Generation Interconnection customers have requested a Definitive Interconnection System Impact Study (DISIS) under the Generation Interconnection Procedures (GIP) in the Southwest Power Pool Open Access Transmission Tariff (OATT). The Interconnection Customers' requests have been clustered together for the following System Impact Cluster Study window which closed March 31, 2011. The customers will be referred to in this study as the DISIS-2011-001 Interconnection Customers. This System Impact Study analyzes the interconnecting of multiple generation interconnection requests associated with new generation totaling approximately 4,741.8 MW of new generation which would be located within the transmission systems of American Electric Power-West (AEPW), Kansas City Power & Light (KACP), Missouri Public Service (MIPU), Nebraska Public Power District (NPPD), Oklahoma Gas and Electric (OKGE), Sunflower Electric Power Corporation (SUNC), Southwestern Public Service (SPS), and Westar Energy (WERE). The various generation interconnection requests have differing proposed in-service dates¹. The generation interconnection requests included in this System Impact Cluster Study are listed in Appendix A by their queue number, amount, requested interconnection service, area, requested interconnection point, proposed interconnection point, and the requested in-service date. This restudy was performed to account for withdrawals within the DISIS-2011-001 study and/or higher queued projects withdrawing.

Power flow analysis has indicated that for the power flow cases studied, 4,741.8 MW of nameplate generation may be interconnected with transmission system reinforcements within the SPP transmission system. Dynamic stability and power factor analysis has determined the need for reactive compensation in accordance with Order No. 661-A for wind farm interconnection requests and those requirements are listed for each interconnection request within the contents of this report. Dynamic stability analysis has determined that the transmission system will remain stable with the assigned Network Upgrades and necessary reactive compensation requirements.

The total estimated minimum cost for interconnecting the DISIS-2011-001 interconnection customers is \$733,460,217. These costs are shown in Appendix E and F. Interconnection Service to DISIS-2011-001 interconnection customers is also contingent upon higher queued customers paying for certain required network upgrades. **The in service date for the DISIS customers will be deferred until the construction of these network upgrades can be completed.**

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 additional network constraints in the SPP transmission system identified and shown in Appendix H.

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 Customer's that proceed to the Facility Study will be provided a new in-service date based on the Facility Study's time for completion of the Network Upgrades necessary.

Network Constraints listed in Appendix H are in the local area of the new generation when this generation is injected throughout the SPP footprint for the Energy Resource (ERIS) Interconnection Request. Certain Interconnection Requests were also 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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Introduction

Pursuant to the Southwest Power Pool (SPP) Open Access Transmission Tariff (OATT), SPP has conducted this Definitive Interconnection System Impact Study (DISIS) for certain generation interconnection requests in the SPP Generation Interconnection Queue. These interconnection requests have been clustered together for the following System Impact Study window which closed March 31, 2011. The customers will be referred to in this study as the DISIS-2011-001 Interconnection Customers. This System Impact Study analyzes the interconnecting of multiple generation interconnection requests associated with new generation totaling 4,741.8 MW of new generation which would be located within the transmission systems of American Electric Power-West (AEPW), Kansas City Power & Light (KACP), Missouri Public Service (MIPU), Nebraska Public Power District (NPPD), Oklahoma Gas and Electric (OKGE), Sunflower Electric Power Corporation (SUNC), Southwestern Public Service (SPS), and Westar Energy (WERE). The various generation interconnection requests have differing proposed in-service dates². The generation interconnection requests included in this System Impact Study are listed in Appendix A by their queue number, amount, requested interconnection service, area, requested interconnection point, proposed interconnection point, and the requested in-service date. This restudy was performed to account for withdrawals within the DISIS-2011-001 study and/or higher queued projects withdrawing.

The primary objective of this Definitive Interconnection System Impact Study is to identify the system constraints associated with connecting the generation to the area transmission system. The Impact 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 generation 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.

Model Development

Interconnection Requests Included in the Cluster

SPP has included all interconnection requests that submitted a Definitive Interconnection System Impact Study Agreement no later than March 31, 2011 and were subsequently accepted by Southwest Power Pool under the terms of the Generator Interconnection Procedures (GIP) that became effective March 30, 2010. The interconnection requests that are included in this study are listed in Appendix A.

Affected System Interconnection Requests

Also included in this Definitive Impact Study are two Affected System Studies, both located on the Southwestern Public Service Company distribution system and shares connections to the SPS transmission system. The Affected System Study Requests has been given the designations: ASGI-2011-002 (10 MW, POI is Herring 115kV), and ASGI-2011-003 (10 MW, POI is Hendricks 115kV).

Previously Queued Interconnection Requests

The previous queued requests included in this study are listed in Appendix B. In addition to the Base Case Upgrades, the previous 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 with equal distribution across the SPP footprint. Prior queued projects that requested Network Resource Interconnection Service (NRIS) were dispatched in an additional analysis into the balancing authority of the interconnecting transmission owner.

Development of Base Cases

Power Flow

The 2011 series Transmission Service Request (TSR) Models 2012 spring, 2012 summer and winter peak, and the 2017 summer and winter peak 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.

Dynamic Stability

The 2011 series SPP Model Development Working Group (MDWG) Models 2012 winter and 2012 summer were used as starting points for this study.

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 DISIS-2011-001 Customers have not been assigned acceleration costs for the below listed projects. The DISIS-2011-001 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 DISIS customers.

- Hitchland 230/115kV area projects³:
 - Hitchland – Moore County 230kV, scheduled for 6/1/2012 in-service
 - Hitchland – Ochiltree 230kV Project, scheduled for 12/31/2012 in-service
- Valliant – Hugo – Sunnyside 345kV, scheduled for 4/1/2012 in-service⁴
- Rose Hill – Sooner 345kV, scheduled for 6/15/2012 in-service⁵
- Balanced Portfolio Projects⁶:
 - Woodward – Border – TUCO 345kV project, scheduled for 5/19/2014 in-service
 - Woodward 345/138kV circuit #2 autotransformer
 - TUCO 345/138kV circuit #2 autotransformer
 - Reactors at Woodward and Border
 - Iatan– Nashua 345kV, scheduled for 6/1/2015 in-service
 - Nashua 345/161kV autotransformer
 - Muskogee– Seminole 345kV, scheduled for 12/31/2012 in-service
 - Spearville – Post Rock 345kV, scheduled for 6/1/2012 in-service
 - Post Rock 345/230kV autotransformer
 - Post Rock – Axtell 345kV, scheduled for 6/1/2013 in-service
 - Cleveland – Sooner 345kV, scheduled for 12/31/2012 in-service
 - Tap Stillwell – Swissvale 345kV line at West Gardner, scheduled for 6/1/2012 in-service
- Priority Projects⁷:
 - Hitchland – Woodward double circuit 345kV, scheduled for 6/30/2014 in-service
 - Hitchland 345/230kV autotransformer
 - Woodward – Thistle double circuit 345kV, scheduled for 12/31/2014 in-service
 - Spearville – Clark double circuit 345kV, scheduled for 12/31/2014 in-service
 - Clark – Thistle double circuit 345kV, scheduled for 12/31/2014 in-service
 - Thistle – Wichita double circuit 345kV, scheduled for 12/31/2014 in-service
 - Thistle 345/138kV autotransformer, scheduled for 12/31/2014 in-service
 - Thistle – Flat Ridge 138kV, scheduled for 12/31/2014 in-service
- Various MKEC Transmission System Upgrades⁸
 - Harper – Flat Ridge 138kV rebuild, scheduled for 12/31/2013 in-service
 - Flat Ridge – Medicine Lodge 138kV rebuild, scheduled for 12/31/2013 in-service
 - Pratt – Medicine Lodge 115kV rebuild, scheduled for 6/1/2013 in-service

³ SPP Regional Reliability Projects identified in 2007 STEP. As of the writing of this report, SPP Project Tracking TAGIT shows some of these project's in-service dates have been delayed from the original 2010/2011 in-service dates.

⁴ SPP Transmission Service Projects identified in SPP-2006-AG3-AFS-11.

⁵ SPP Regional Reliability Project. Approved based on an order of the Kansas Corporation Commission issued in Docket no. 07-WSEE-715-MIS.

⁶ Notice to Construct (NTC) issued June 2009.

⁷ Notice to Construct (NTC) issued June 2010.

⁸ SPP Transmission Service Projects identified in SPP-2007-AG3-AFS-9.

- Medicine Lodge 138/115kV autotransformer replacement, scheduled for 6/1/2013 in-service
- Northwest 345/138/13.8kV circuit #3 autotransformer, scheduled for 6/1/2017 in-service⁹
- Woodward (OKGE) – Woodward (WFEC) 69kV rebuild, scheduled for 12/1/2013 in-service¹⁰
- Sheldon – SW7th and Pleasant Hill 115kV circuit #2 rebuild, scheduled for 5/15/2013 in-service¹¹
- Moundridge 138/115/13.8kV autotransformer circuit #2, scheduled for 12/1/2014 in-service¹²

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 DISIS-2011-001 study and are assumed to be in service. This list may not be all inclusive. The DISIS-2011-001 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 DISIS-2011-001 Customer Generation Facilities in service dates may need to be delayed until the completion of the following upgrades.

- Finney – Holcomb 345kV circuit #2, assigned to GEN-2006-049 interconnection customer¹³
- Central Plains – Setab 115kV transmission line, assigned to GEN-2007-013 interconnection customer
- Upgrades assigned to 1st Cluster (ICS-2008-001) Interconnection Customers:
 - Grassland – Wolfforth 230kV
- Upgrades assigned to DISIS-2009-001 Interconnection Customers:
 - Fort Dodge – North Fort Dodge – Spearville 115kV circuit #2
 - Albion – Petersburg – Neligh 115kV rerate
 - Fort Randall – Madison County – Kelly 230kV rerate (320MVA)
 - Spearville 345/115kV autotransformer
- Upgrades assigned to DISIS-2010-001 Interconnection Customers:
 - Post Rock 345/230kV circuit #2 autotransformer
 - South Hays – Hays Plant – Vine Street 115kV rebuild
 - Switch 2749 – Wildorado 69kV rebuild
 - Madison County – Kelly 230kV rerate (478MVA)
 - Washita – Gracemont 138kV circuit #2
- Upgrades assigned to DISIS-2010-002 Interconnection Customers:
 - ASGI-2010-020 – LCEC Tatum – LCEC McDonald – LCEC Reed – LCEC Lovington 69kV Rebuild

⁹ SPP Transmission Service Project identified in SPP-2009-AG2-AFS6. Per SPP-NTC-20137.

¹⁰ SPP Regional Reliability Project. Per SPP-NTC-20003.

¹¹ SPP Regional Reliability 2012 ITPNT Project. Per SPP-NTC-200171.

¹² SPP Regional Reliability 2012 ITP10 Project. Per SPP-NTC-200181.

¹³ Impact Study posted February 2012.

- Beaver County 345kV Expansion (Tap & Tie Hitchland – Woodward CKT 2 into Beaver County 345kV)
- Twin Church – Dixon County 230kV rerate (320MVA)
- (NRIS only) Spearville – Mullergren 230kV circuit #1 rebuild

Potential Upgrades Not in the Base Case

Any potential upgrades that do not have a Notification to Construct (NTC) and not explicitly listed within this report have not been included in the base case. These upgrades 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.

Regional Groupings

The interconnection requests listed in Appendix A were grouped together in fifteen different regional groups based on geographical and electrical impacts. These groupings are shown in Appendix C.

To determine interconnection impacts, fifteen different generation dispatch scenarios of the spring base case models were developed to accommodate the regional groupings.

Power Flow

For each group, the various wind generating plants were modeled at 80% nameplate of maximum generation. The wind generating plants in the other areas were modeled at 20% nameplate of maximum generation. This process created fifteen different scenarios with each group being studied at 80% nameplate rating. These projects were dispatched as Energy Resources with equal distribution across the SPP footprint. Certain projects that requested Network Resource Interconnection Service were dispatched in an additional analysis into the balancing authority of the interconnecting transmission owner. This method allowed for the identification of network constraints that were common to the regional groupings that could then in turn have the mitigating upgrade cost allocated throughout the entire cluster. Other sensitivity analyses are also performed with each interconnection request modeled at 100% nameplate.

Peaking units were not dispatched in the 2012 spring model. To study peaking units' impacts, the 2012 summer and winter, 2013 summer and winter, and 2017 summer and winter seasonal models were chosen and peaking units were modeled at 100% of the nameplate rating and wind generating facilities were modeled at 10% of the nameplate rating. Each interconnection request was also modeled separately at 100% nameplate for certain analyses.

Dynamic Stability

For each group, all interconnection requests were studied at 100% nameplate output while the other groups were dispatched at 20% output for wind requests and 100% output for thermal requests.

Identification of Network Constraints

The initial set of network constraints were found by using PTI MUST First Contingency Incremental Transfer Capability (FCITC) analysis on the entire cluster grouping dispatched at the various levels mentioned above. These constraints were then screened to determine if any of the generation interconnection requests had at least a 20% Distribution Factor (DF) upon the constraint. Constraints that measured at least a 20% DF from at least one interconnection request were considered for mitigation. Interconnection Requests that have requested Network Resource Interconnection Service (NRIS) were also studied in the NRIS analysis to determine if any constraint had at least a 3% DF. If so, these constraints were considered for mitigation.

Determination of Cost Allocated Network Upgrades

Cost Allocated Network Upgrades of wind generation interconnection requests were determined using the 2012 spring model. Cost Allocated Network Upgrades of peaking units was determined using the 2017 summer peak model. A MUST sensitivity analysis was performed to determine the Distribution Factors (DF), a distribution factor with no contingency that each generation interconnection request had on each new upgrade. The impact each generation interconnection request had on each upgrade project was weighted by the size of each request. Finally the costs due by each request for a particular project were 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:

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

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

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

- 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.

Credits for Amounts Advanced for Network Upgrades

Interconnection Customer shall be entitled to credits 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.

Required Interconnection Facilities

The requirement to interconnect the 4,741.8 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 Appendix F by upgrade. The interconnection requirements for the cluster total \$733,460,217. Interconnection Facilities specific to each generation interconnection request are listed in Appendix E. A preliminary one-line drawing for each generation interconnection request are listed in Appendix D.

A list of constraints that were identified and used for mitigation are listed in Appendix G. Listed within Appendix G are the ERIS constraints with greater than or equal to a 20% DF, as well as, the NRIS constraints that have a DF of 3% or greater. Other Network Constraints which are not requiring mitigation are shown in Appendix H. 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.

Power Flow Analysis

Power Flow Analysis Methodology

The Southwest Power Pool (SPP) Criteria states that:

“The transmission system of the SPP region shall be planned and constructed so that the contingencies as set forth in the Criteria will meet the applicable *NERC Reliability Standards* for transmission planning. All MDWG power flow models shall be tested to verify compliance with the System Performance Standards from NERC Table 1 – Category A.”

The ACCC function of PSS/E 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.

Power Flow Analysis

A power flow analysis was conducted for each Interconnection Customer’s facility using modified versions of the 2012 spring peak, 2012 summer and winter peak, and the 2017 summer and winter peak models. The output of the Interconnection Customer’s facility was 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 (ER) Interconnection Request. Certain requests that requested Network Resource Interconnection Service (NRIS) had an additional analysis conducted for displacing resources in the interconnecting Transmission Owner’s balancing authority.

This analysis was conducted assuming that previous queued requests in the immediate area of these interconnect requests were in-service. The analysis of each Customer's project indicates that criteria violations will occur on the AEPW, KCPL, LES, MIDW, NPPD, OKGE, SPS, SUNC, WFEC, and WERE transmission systems under system intact and contingency conditions in the peak seasons.

Cluster Group 1 (Woodward Area)

In addition to the 3,659.6 MW of previously queued generation in the area, 1,247.8 MW of new interconnection service was studied. The requests in this group cause constraints in the Thistle – Woodward – Northwest corridors. To relieve these issues a new 345kV station, Matthewson, is needed to tie the Tatonga – Northwest and Woodring – Cimarron 345kV circuits. In addition, second 345kV circuits are needed between Tatonga – Matthewson and Matthewson – Cimarron. Along with terminal equipment replacement at Tatonga to get Woodward – Tatonga – Matthewson all circuits to 3000 Amp capacity. For interconnection customers that requested NRIS, a number of additional upgrades may have been identified and listed in Appendices E and F.

Cluster Group 2 (Hitchland Area)

In addition to the 2,699.7 MW of previously queued generation in the area, 903.5 MW of new interconnection service was studied. Similarly, constraints on the Northwest – Tatonga also impacted this group which required the mitigations discussed for Group 1. Stability analysis shows that the Beaver County – Gray County 345kV upgrade will also be needed to maintain system stability under fault analysis. This upgrade was previously assigned to DISIS-2010-002 but withdrawals of higher queued projects now cause this upgrade to be assigned to DISIS-2011-001 Interconnection Customers. For interconnection customers that requested NRIS, a number of additional upgrades may have been identified and listed in Appendices E and F.

Cluster Group 3 (Spearville Area)

In addition to the 3,094.8 MW of previously queued generation in the area, 1,848.1 MW of new interconnection service was studied. Significant outlet constraints are identified in the area due to the amount of generation requesting interconnection. Due to voltage collapse for system intact conditions in certain scenarios, a fixed 215 MVar Static Var Compensator (SVC) at the Gen-2011-017 tap and a fixed 400Mvar SVC at Thistle 345kV was required to converge the cases. After ACCC analysis, non-converged solutions were identified and the two SVCs were replaced by the Spearville – Mullergren – Reno 345kV double circuit upgrade. The 345kV upgrades from Group 1 are also needed in addition to a Beaver County – Gray County 345kV single circuit to mitigate non-converged solutions for the loss of the Finney – Stevens 345kV line. Stability analysis confirms the need for the second 345kV circuit between Spearville and Reno, as well as, the Beaver County – Gray County 345kV upgrade. For interconnection customers that requested NRIS, a number of additional upgrades may have been identified and listed in Appendices E and F.

Cluster Group 4 (Mingo/NW Kansas Group)

In addition to the 924.0 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.

Cluster Group 5 (Amarillo Area)

In addition to the 1,972.6 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.

Cluster Group 6 (South Texas Panhandle/New Mexico)

In addition to the 2,146.8 MW of previously queued generation in the area, 142.3 MW of new interconnection service was studied. No new constraints were found in this area.

Cluster Group 7 (Southwestern Oklahoma)

In addition to the 1,734.0 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.

Cluster Group 8 (South Central Kansas/North Oklahoma)

In addition to the 2,031.4 MW of previously queued generation in the area, 4.5 MW of new interconnection service was studied. No new constraints were found in this area.

Cluster Group 9/10 (Nebraska)

In addition to the 1,518.0 MW of previously queued generation in the area, 193.6 MW of new interconnection service was studied. To integrate the request located in this area, Twin Church – Hoskins 230kV will need to have work done to raise the ratings of the line. For interconnection customers that requested NRIS, a number of additional upgrades may have been identified and listed in Appendices E and F.

Cluster Group 11 (North Central Kansas)

In addition to the 1,294.1 MW of previously queued generation in the area, 201.0 MW of new interconnection service was studied. To interconnect new generation request the Rice – Circle 115kV transmission line will be converted to 230kV operation, Rice County – Lyons will need to be rebuilt and the Lyons – Wheatland 115kV must be rerated through terminal equipment replacement. For interconnection customers that requested NRIS, a number of additional upgrades may have been identified and listed in Appendices E and F.

Cluster Group 12 (Northwest Arkansas)

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.

Cluster Group 13 (Northwest Missouri)

In addition to the 1,595.1 MW of previously queued generation in the area, 201.0 MW of new interconnection service was studied. No new constraints were found in this area.

Cluster Group 14 (South Central Oklahoma)

In addition to the 200.0 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.

Cluster Group 15 (reserved)

This group has been retired and all prior Group 15 requests have been re-designated as Group 9/10 requests.

Stability Analysis

A stability analysis was conducted for each Interconnection Customer’s facility using modified versions of the 2011 summer and 2011 winter peak models. The stability analysis was conducted with all upgrades in service that were identified in the power flow analysis. For each group, the interconnection requests were studied at 100% nameplate output while the other groups were dispatched at 20% output for wind requests and 100% output for fossil requests. The output of the Interconnection Customer’s facility was offset in each model by a reduction in output of existing online SPP generation. The following synopsis is included for each group. The entire stability study for each group can be found in the Appendices.

Cluster Group 1 (Woodward Area)

The Group 1 stability analysis for this restudy was performed by SPP Staff. Stability analysis confirms that without the addition of the Matthewson 345kV substation that taps and ties the Woodring – Cimarron and Tatonga – Northwest 345kV transmission lines all faults are unstable. Additionally, a second 345kV circuit between Tatonga – Matthewson is needed to remain stable for the studied contingencies. Once these upgrades are in-service the stability analysis indicates that requests in Group 1 will be stable for each contingency specified by SPP and the nearby areas will retain angular, frequency and voltage stability.

Power Factor analysis was not performed again for this restudy but the analysis from the prior study has been reported below. With the power factor requirements and all network upgrades in service, all interconnection request in Group 1 will meet FERC Order #661A low voltage ride through (LVRT) requirements.

Power Factor Requirements:

Request	Size (MW)	Generator Model	Point of Interconnection	Power Factor Requirement at POI*	
				Lagging (supplying)	Leading (absorbing)
GEN-2011-019	299	Siemens 2.3MW	Woodward 345kV	0.95	0.95
GEN-2011-020	299	Siemens 2.3MW	Woodward 345kV	0.97	0.95
GEN-2011-024	299	Siemens 2.3MW	Tatonga 345kV	0.95	0.95

*As reactive power is required for all projects, the final requirement in the GIA will be the pro-forma 95% lagging to 95% leading at the point of interconnection.

Cluster Group 2 (Hitchland Area)

The Group 2 stability analysis for this restudy was performed by SPP Staff. Stability analysis confirms that without the addition of the Beaver County – Gray County 345kV transmission line many faults are unstable. Once this upgrade is in-service the stability analysis indicates that requests in Group 2 will be stable for each contingency specified by SPP and the nearby areas will retain angular, frequency and voltage stability.

Power Factor analysis was not performed again for this restudy but the analysis from the prior study has been reported below. With the power factor requirements and all network upgrades in

service, all interconnection request in Group 2 will meet FERC Order #661A low voltage ride through (LVRT) requirements.

Power Factor Requirements:

Request	Size (MW)	Generator Model	Point of Interconnection	Power Factor Requirement at POI*	
				Lagging (supplying)	Leading (absorbing)
ASGI-2011-002	10	DeWind 2.0MW	Herring 115kV	0.95	0.95
GEN-2011-012	104.5	GE 2.75MW	Tap Moore County - Hitchland 230kV	0.96	0.97
GEN-2011-014	201	Siemens 3.0MW	Tap Hitchland - Woodward 345kV	0.95	1.0
GEN-2011-021	299	Siemens 2.3MW	Tap Hitchland - Woodward 345kV	0.95	0.98
GEN-2011-022	299	Siemens 2.3MW	Hitchland 345kV	0.95	1.0

*As reactive power is required for all projects, the final requirement in the GIA will be the pro-forma 95% lagging to 95% leading at the point of interconnection.

Cluster Group 3 (Spearville Area)

The Group 3 stability analysis for this restudy was performed by SPP Staff. Stability analysis confirms that without the addition of the Beaver County – Gray County 345kV and a new 345kV double circuit from Spearville – Mullergren – Reno many faults are unstable. Once these upgrades are in-service the stability analysis indicates that requests in Group 3 will be stable for each contingency specified by SPP and the nearby areas will retain angular, frequency and voltage stability.

Power Factor analysis was not performed again for this restudy but the analysis from the prior study has been reported below. With the power factor requirements and all network upgrades in service, all interconnection request in Group 3 will meet FERC Order #661A low voltage ride through (LVRT) requirements.

Power Factor Requirements:

Request	Size (MW)	Generator Model	Point of Interconnection	Power Factor Requirement at POI	
				Lagging (supplying)	Leading (absorbing)
GEN-2010-029	450	Vestas V90 1.8MW	Spearville 345kV	0.96	1.0
GEN-2011-008	600	GE 1.6MW	Clark County 345kV	0.95	1.0
GEN-2011-016	200.1	Siemens 2.3MW	Spearville 345kV	0.95	0.99
GEN-2011-017	299	Siemens 2.3MW	Tap Spearville - Knoll 345kV	0.95	1.0
GEN-2011-023	299	Siemens 2.3MW	Tap Clark - Spearville 345kV	0.99	0.99

*As reactive power is required for all projects, the final requirement in the GIA will be the pro-forma 95% lagging to 95% leading at the point of interconnection.

Cluster Group 4 (Mingo Area)

There was no stability analysis conducted in the Mingo area due to no requests in the area.

Cluster Group 5 (Amarillo Area)

There was no stability analysis conducted in the Amarillo area due to no requests in the area.

Cluster Group 6 (South Texas Panhandle/New Mexico)

The Group 6 stability analysis was not performed again for this restudy.

Cluster Group 7 (Southwest Oklahoma Area)

There was no stability analysis conducted in the Southwest Oklahoma area due to no requests in the area.

Cluster Group 8 (South Central Kansas/North Oklahoma)

The Group 8 stability analysis was not performed again for this restudy.

Cluster Group 9/10 (Nebraska)

The Group 9/10 stability analysis was not performed again for this restudy.

Cluster Group 11 (North Central Kansas Area)

The Group 11 stability analysis was not performed again for this restudy.

Cluster Group 12 (Northwest Arkansas Area)

There was no stability analysis conducted in the Northwest Arkansas area due to no requests in the area.

Cluster Group 13 (Northwest Missouri Area)

The Group 13 stability analysis was not performed again for this restudy.

Cluster Group 14 (South Central Oklahoma)

There was no stability analysis conducted in the Northwest Arkansas area due to no requests in the area.

Cluster Group 15 (reserved)

This group has been retired and all prior Group 15 requests have been re-designated as Group 9/10 requests.

Conclusion

The minimum cost of interconnecting 4,741.8 MW of new interconnection requests included in this Definitive Interconnection System Impact Study is estimated at \$733,460,217 for the Allocated Network Upgrades and Transmission Owner Interconnection Facilities are listed in Appendix E and F. These costs do not include the cost of upgrades of other transmission facilities listed in Appendix H which are Network Constraints.

These interconnection costs do not include any cost of Network Upgrades determined to be required by short circuit analysis. These studies will be performed if the Interconnection Customer executes the appropriate Interconnection Facilities Study Agreement and provides the required data along with demonstration of Site Control and the appropriate deposit. At the time of the Interconnection Facilities 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).

Appendix

A: Generation Interconnection Requests Considered for Impact Study

See next page.

A: Generation Interconnection Requests Considered for Impact 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*
ASGI-2011-002	10.0	ER	SPS	Herring 115kV	Herring 115kV		TBD
ASGI-2011-003	10.0	ER	SPS	Hendricks 115kV	Hendricks 115kV		TBD
GEN-2010-020	20.0	ER	SPS	Roswell 69kV	Roswell 69kV	3/1/2011	12/31/2014
GEN-2010-029	450.0	ER/NR	SUNCMKEC	Spearville 345kV	Spearville 345kV	12/31/2013	12/31/2014
GEN-2010-055	4.5	ER	AEPW	Wekiwa 138kV	Wekiwa 138kV	12/31/2011	TBD
GEN-2010-056	151.0	ER/NR	MIPU	Tap Saint Joseph - Cooper 345kV	Tap Saint Joseph - Cooper 345kV	6/1/2012	TBD
GEN-2010-057	201.0	ER/NR	WERE	Rice County 230kV	Rice County 230kV	8/1/2012	TBD
GEN-2010-058	20.0	ER	SPS	Chaves County 115kV	Chaves County 115kV	12/31/2011	12/31/2014
GEN-2011-007	250.0	ER/NR	OKGE	Tap Cimarron - Woodring (Matthewson) 345kV	Tap Cimarron - Woodring (Matthewson) 345kV	11/30/2011	12/31/2014
GEN-2011-008	600.0	ER	SUNCMKEC	Clark County 345kV	Clark County 345kV	12/1/2015	12/1/2015
GEN-2011-010	100.8	ER	OKGE	Minco 345kV	Minco 345kV	12/1/2012	TBD
GEN-2011-011	50.0	ER	KACP	Iatan 345kV	Iatan 345kV	12/31/2010	TBD
GEN-2011-012	104.5	ER/NR	SPS	Tap Moore County - Hitchland 345kV	Tap Moore County - Hitchland 345kV	12/31/2012	12/31/2014
GEN-2011-014	201.0	ER/NR	SPS	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV	12/31/2013	12/31/2014
GEN-2011-016	200.1	ER/NR	SUNCMKEC	Spearville 345kV	Spearville 345kV	12/1/2013	12/31/2014
GEN-2011-017	299.0	ER/NR	SUNCMKEC	Tap Spearville - PostRock 345kV	Tap Spearville - PostRock 345kV	12/1/2013	12/31/2014
GEN-2011-018	73.6	ER/NR	NPPD	Steele City 115kV	Steele City 115kV	12/1/2013	
GEN-2011-019	299.0	ER/NR	OKGE	Woodward 345kV	Woodward 345kV	12/31/2012	12/31/2014
GEN-2011-020	299.0	ER/NR	OKGE	Woodward 345kV	Woodward 345kV	12/31/2012	12/31/2014
GEN-2011-021	299.0	ER/NR	SPS	Tap Hitchland - Beaver 345kV	Tap Hitchland - Beaver 345kV	12/31/2012	12/31/2014
GEN-2011-022	299.0	ER/NR	SPS	Hitchland 345kV	Hitchland 345kV	12/31/2012	12/31/2014
GEN-2011-023	299.0	ER/NR	SUNCMKEC	Tap Clark - Spearville 345kV	Clark 345kV	12/31/2012	12/31/2014
GEN-2011-024	299.0	ER/NR	OKGE	Tatonga 345kV	Tatonga 345kV	12/31/2012	12/31/2014
GEN-2011-025	82.3	ER	SPS	Tap Floyd County - Crosby County 115kV	Tap Floyd County - Crosby County 115kV	6/30/2012	12/31/2014
GEN-2011-027	120.0	ER/NR	NPPD	Tap Twin Church - Hoskins 230kV (GEN-2010-51 Tap)	Tap Twin Church - Hoskins 230kV (GEN-2010-51 Tap)	12/31/2012	TBD
TOTAL 4,741.8							

*request dependent upon Priority Projects or Balanced Portfolio may be delayed until 12/31/2014.
Other projects in service date to be determined after Facility Study.

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-2010-001	400	AECI	Tap Cooper - Fairport (AECI) 345kV	AECI queue Affected Study
ASGI-2010-005	99	AECI	Lathrop (AECI) 161kV	AECI queue Affected Study
ASGI-2010-006	150	AECI	Tap Fairfax Tap - Fairfax (AECI) 138kV	AECI queue Affected Study
ASGI-2010-009	201	AECI	Osborn (AECI) 161kV	AECI queue Affected Study
ASGI-2010-010	42	SPS	Lovington 115kV	Affected Study
ASGI-2010-011	48	SPS	TC-Texas County 69kV	Affected Study
ASGI-2010-020	30	SPS	Tap LE-Tatum - LE-Crossroads 69kV	Under Study (DISIS-2010-002)
ASGI-2010-021	15	SPS	Tap LE-Saunders Tap - LE-Anderson 69kV	Under Study (DISIS-2010-002)
ASGI-2011-001	28.8	SPS	LE-Lovington 115kV	Under Study (DISIS-2010-002)
GEN-2001-014	96	WFEC	Ft Supply 138kV	On-Line
GEN-2001-026	74	WFEC	Washita 138kV	On-Line
GEN-2001-033	180	SPS	San Juan Tap 230kV	On-Line
GEN-2001-036	80	SPS	Norton 115kV	On-Line
GEN-2001-037	100	OKGE	FPL Moreland Tap 138kV	On-Line
GEN-2001-039A	105	SUNCMKEC	Tap Greensburg - Ft Dodge 115kV	On Schedule for 2012
GEN-2001-039M	100	SUNCMKEC	Central Plains Tap 115kV	On-Line
GEN-2002-004	200	WERE	Latham 345kV	On-Line at 150MW
GEN-2002-005	120	WFEC	Red Hills Tap 138kV	On-Line
GEN-2002-008	240	SPS	Hitchland 345kV	On-Line at 120MW
GEN-2002-009	80	SPS	Hansford 115kV	On-Line
GEN-2002-022	240	SPS	Bushland 230kV	On-Line
GEN-2002-023N	0.8	NPPD	Harmony 115kV	On-Line
GEN-2002-025A	150	SUNCMKEC	Spearville 230kV	On-Line
GEN-2003-004 GEN-2004-023 GEN-2005-003	151.2	WFEC	Washita 138kV	On-Line
GEN-2003-005	100	WFEC	Anadarko - Paradise (Blue Canyon) 138kV	On-Line
GEN-2003-006A	200	SUNCMKEC	Elm Creek 230kV	On-Line
GEN-2003-019	250	MIDW	Smoky Hills Tap 230kV	On-Line
GEN-2003-020	160	SPS	Martin 115kV	On-Line at 80MW
GEN-2003-021N	75	NPPD	Ainsworth Wind Tap 115kV	On-Line
GEN-2003-022	120	AEPW	Washita 34.5kV	On-Line
GEN-2004-005N	30	NPPD	St Francis 115kV	IA Pending
GEN-2004-014	154.5	SUNCMKEC	Spearville 230kV	On Schedule for 2012
GEN-2004-020	27	AEPW	Washita 34.5kV	On-Line
GEN-2004-023N	75	NPPD	Columbus County 115kV	On Schedule
GEN-2005-005	18	OKGE	FPL Moreland Tap 138kV	IA Pending
GEN-2005-008	120	OKGE	Woodward 138kV	On-Line
GEN-2005-012	250	SUNCMKEC	Spearville 345kV	On Schedule for 2012
GEN-2005-013	201	WERE	Tap Latham - Neosho (Caney River) 345kV	On-Line
GEN-2006-002	101	AEPW	Sweetwater 230kV	On-Line
GEN-2006-006	205.5	SUNCMKEC	Spearville 345kV	IA Pending
GEN-2006-014	300	MIPU	Tap Maryville - Midway 161kV	On Suspension
GEN-2006-017	300	MIPU	Tap Maryville - Midway 161kV (GEN-2006-014 TAP)	On Suspension
GEN-2006-018	170	SPS	Antelope 230kV	On-Line
GEN-2006-020N	42	NPPD	Bloomfield 115kV	On-Line

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2006-020S	18.9	SPS	DWS Frisco 115kV	On Schedule for 3/2012
GEN-2006-021	101	SUNCMKEC	Flat Ridge Tap 138kV	On-Line
GEN-2006-022	150	SUNCMKEC	Pratt 115kV	On Suspension
GEN-2006-024S	19.8	WFEC	Buffalo Bear Tap 69kV	On-Line
GEN-2006-026	502	SPS	Hobbs 230kV	On-Line
GEN-2006-031	75	MIDW	Knoll 115kV	On-Line
GEN-2006-032	200	MIDW	South Hays 230kV	On Suspension
GEN-2006-034	81	SUNCMKEC	Kanarado 115kV	On Suspension
GEN-2006-035	225	AEPW	Sweetwater 230kV	On Schedule for 2011
GEN-2006-037N1	75	NPPD	Broken Bow 115kV	On Suspension
GEN-2006-038N005	80	NPPD	Broken Bow 115kV	On Schedule for 2012
GEN-2006-038N019	80	NPPD	Petersburg 115kV	On-Line
GEN-2006-039	400	SPS	Tap and Tie both Potter - Plant X 230kV and Bushland - Deaf Smith (South Randle County) 230kV	On Suspension
GEN-2006-040	108	SUNCMKEC	Mingo 115kV	On Schedule for 2012
GEN-2006-043	99	AEPW	Sweetwater 230kV	On-Line
GEN-2006-044	370	SPS	Hitchland 345kV	On Schedule for 2012
GEN-2006-044N	40.5	NPPD	Petersburg 115kV	On-Line
GEN-2006-044N02	100.5	NPPD	Tap Ft Randle - Columbus (Madison County) 230kV	IA Pending
GEN-2006-045	240	SPS	Tap and Tie both Potter - Plant X 230kV and Bushland - Deaf Smith (South Randle County) 230kV	On Schedule for 2012
GEN-2006-046	131	OKGE	Dewey 138kV	On-Line
GEN-2006-047	240	SPS	Tap and Tie both Potter - Plant X 230kV and Bushland - Deaf Smith (South Randle County) 230kV	On Suspension
GEN-2006-049	400	SPS	Tap Finney - Hitchland (Stevens County) 345kV	On Schedule for 2014
GEN-2007-006	160	OKGE	Roman Nose 138kV	On Suspension
GEN-2007-011	135	SUNCMKEC	Syracuse 115kV	On Schedule
GEN-2007-011N08	81	NPPD	Bloomfield 115kV	On-Line
GEN-2007-013	99	SUNCMKEC	Selkirk 115kV	On Suspension
GEN-2007-015	135	WERE	Tap Kelly(WERE) - S1399(OPPD) 161kV	On Suspension
GEN-2007-017	100.5	MIPU	Tap Maryville - Midway (GEN-2006-014 TAP) 161kV	On Suspension
GEN-2007-021	201	OKGE	Tatonga 345kV	On Schedule for 2014
GEN-2007-025	300	WERE	Tap Wichita - Woodring (Sumner County) 345kV	On Schedule for 2012
GEN-2007-032	150	WFEC	Tap Clinton Junction - Clinton 138kV	On Schedule for 2012
GEN-2007-038	200	SUNCMKEC	Spearville 345kV	On Schedule for 2015
GEN-2007-040	200	SUNCMKEC	Tap Holcomb - Spearville (Gray County) 345kV	On Schedule for 2012
GEN-2007-043	200	OKGE	Minco 345kV	On-Line
GEN-2007-044	300	OKGE	Tatonga 345kV	On Schedule for 2014
GEN-2007-046	199.5	SPS	Hitchland 115kV	On Schedule for 2014
GEN-2007-048	400	SPS	Tap Amarillo S - Swisher 230kV	On Schedule for 2014
GEN-2007-050	170	OKGE	Woodward EHV 138kV	On-Line at 150MW
GEN-2007-051	200	WFEC	Mooreland 138kV	On Schedule for 2014
GEN-2007-052	150	WFEC	Anadarko 138kV	On-Line
GEN-2007-053	110	MIPU	Tap Maryville - Midway (GEN-2006-014 TAP) 161kV	On Schedule for 2013
GEN-2007-057	34.5	SPS	Moore County East 115kV	On Schedule for 2014
GEN-2007-062	765	OKGE	Woodward EHV 345kV	On Schedule for 2014
GEN-2008-003	101	OKGE	Woodward EHV 138kV	On-Line
GEN-2008-008	60	SPS	Graham 69kV	On Suspension

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2008-009	60	SPS	San Juan Tap 230kV	On Schedule for 2014
GEN-2008-013	300	OKGE	Tap Wichita - Woodring (South of GEN-2007-025) 345kV	On Schedule for 2012
GEN-2008-014	150	SPS	Tap Tuco- Oklaunion 345kV	On Schedule for 2014
GEN-2008-016	248	SPS	Grassland 230kV	IA Pending
GEN-2008-017	300	SUNCMKEC	Setab 345kV	On Schedule for 2014
GEN-2008-018	405	SPS	Finney 345kV	On Schedule for 2012
GEN-2008-019	300	OKGE	Tatonga 345kV	On Schedule for 2015
GEN-2008-021	42.0	WERE	Wolf Creek 345kV	On-Line
GEN-2008-022	300	SPS	Tap Eddy Co - Tolk (Chaves County) 345kV	On Schedule for 2015
GEN-2008-023	150	AEPW	Hobart Junction 138kV	On Schedule for 2012
GEN-2008-025	101	SUNCMKEC	Ruleton 115kV	On Schedul for 2015
GEN-2008-029	250	OKGE	Woodward EHV 138kV	On Schedule for 2014
GEN-2008-037	101	WFEC	Tap Washita - Blue Canyon Wind 138kV	On-Line
GEN-2008-044	197.8	OKGE	Tatonga 345kV	On-Line
GEN-2008-046	200	OKGE	Sunnyside 345kV	On Suspension
GEN-2008-047	300	SPS	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV	IA Pending
GEN-2008-051	322	SPS	Potter County 345kV	On Schedule for 2012
GEN-2008-071	76.8	OKGE	Newkirk 138kV	On Schedule for 2013
GEN-2008-079	100.5	SUNCMKEC	Tap Cudahy - Ft Dodge 115kV	On Schedule for 2012
GEN-2008-086N02	200	NPPD	Tap Ft Randle - Columbus (Madison County) 230kV	On Schedule for 2014
GEN-2008-088	50.6	SPS	Vega 69kV	IA Pending
GEN-2008-092	201	MIDW	Postrock 230kV	IA Pending
GEN-2008-098	100.8	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV	IA Pending
GEN-2008-1190	60	OPPD	S1399 161kV	On-Line
GEN-2008-123N	89.7	NPPD	Tap Guide Rock - Pauline 115kV	On Suspension
GEN-2008-124	200	SUNCMKEC	Spearville 345kV	On Schedule for 2014
GEN-2008-127	200	WERE	Tap Rosehill - Sooner 345kV	On Suspension
GEN-2008-129	80	MIPU	Pleasant Hill 161kV	On-Line
GEN-2009-008	199.5	MIDW	South Hays 230kV	On Suspension
GEN-2009-011	50	SUNCMKEC	Tap Plainsville - Phillipsburg 115kV	On Schedule for 2014
GEN-2009-016	100.8	AEPW	Falcon Road 138kV	On Suspension
GEN-2009-020	48.6	MIDW	Tap Nekoma - Bazine 69kV	On Suspension
GEN-2009-025	60	OKGE	Tap Deer Creek - Sinclair Blackwell 69kV	On Schedule for 2012
GEN-2009-040	73.8	WERE	Tap Smittyville - Knob Hill 115kV	On Suspension
GEN-2009-067S	20	SPS	Seven Rivers 69kV	IA Pending
GEN-2010-001	300	SPS	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV	IA Pending
GEN-2010-003	100.8	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV	IA Pending
GEN-2010-005	300	WERE	Tap Wichita - Woodring (Sumner County) 345kV	On Schedule for 2012
GEN-2010-006	205	SPS	Jones 230kV	On-Line
GEN-2010-007	73.8	SPS	Tap Pringle - Riverview 115kV	IA Pending
GEN-2010-009	165.6	SUNCMKEC	Tap Holcomb - Spearville (Gray County) 345kV	On Schedule for 2012
GEN-2010-011	30	OKGE	Tatonga 345kV	On Line
GEN-2010-012	65	WFEC	Brantley 138kV	IA Pending
GEN-2010-014	360	SPS	Hitchland 345kV	IA Pending
GEN-2010-015	200.1	SUNCMKEC	Spearville 345kV	On Schedule for 2015
GEN-2010-036	4.6	WERE	6th Street 115kV	On Schedule for 2012
GEN-2010-040	300	OKGE	Cimarron 345kV	On Schedule for 2012

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2010-041	10.5	OPPD	S 1399 161kV	Under Study (DISIS-2010-002)
GEN-2010-045	197.8	SUNCMKEC	Tap Holcomb - Spearville (Gray County) 345kV	IA Pending
GEN-2010-046	56	SPS	Tuco 230kV	IA Pending
GEN-2010-048	70	MIDW	Tap Beach Station - Redline 115kV	IA Pending
GEN-2010-051	200	NPPD	Tap Twin Church - Hoskins 230kV	IA Pending
GEN-2010-053	199.8	SUNCMKEC	Clark County 345kV	IA Pending
Gray County Wind (Montezuma)	110	SUNCMKEC	Haggard 115kV	On-Line
Llano Estacado (White Deer)	80	SPS	Llano Wind 115kV	On-Line
NPPD Distributed (Broken Bow)	8.3	NPPD	Broken Bow 115kV	On-Line
NPPD Distributed (Burwell)	3	NPPD	Ord 115kV	On-Line
NPPD Distributed (Columbus Hydro)	45	NPPD	Columbus 115kV	On-Line
NPPD Distributed (Jeffrey)	18.0	NPPD	Jeffrey 115kV	On-Line
NPPD Distributed (John Lake 1)	19.0	NPPD	John Lake 1 115kV	On-Line
NPPD Distributed (John Lake 2)	19.0	NPPD	John Lake 2 115kV	On-Line
NPPD Distributed (Ord)	10.8	NPPD	Ord 115kV	On-Line
NPPD Distributed (Stuart)	2.1	NPPD	Ainsworth 115kV	On-Line
SPS Distributed (Dumas 19th St)	20	SPS	Dumas 19th Street 115kV	On-Line
SPS Distributed (Etter)	20	SPS	Etter 115kV	On-Line
SPS Distributed (Moore E)	25	SPS	Moore East 115kV	On-Line
SPS Distributed (Sherman)	20	SPS	Sherman 115kV	On-Line
SPS Distributed (Spearman)	10	SPS	Spearman 69kV	On-Line
SPS Distributed (TC-Texas County)	20	SPS	Texas County 115kV	On-Line
TOTAL				22,926.1

C: Study Groupings

See next page

C. Study Groups

GROUP 1: WOODWARD AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-014	96.0	WFEC	Ft Supply 138kV
GEN-2001-037	100.0	OKGE	FPL Moreland Tap 138kV
GEN-2005-005	18.0	OKGE	FPL Moreland Tap 138kV
GEN-2005-008	120.0	OKGE	Woodward 138kV
GEN-2006-024S	19.8	WFEC	Buffalo Bear Tap 69kV
GEN-2006-046	131.0	OKGE	Dewey 138kV
GEN-2007-006	160.0	OKGE	Roman Nose 138kV
GEN-2007-021	201.0	OKGE	Tatonga 345kV
GEN-2007-043	200.0	OKGE	Minco 345kV
GEN-2007-044	300.0	OKGE	Tatonga 345kV
GEN-2007-050	170.0	OKGE	Woodward EHV 138kV
GEN-2007-051	200.0	WFEC	Mooreland 138kV
GEN-2007-062	765.0	OKGE	Woodward EHV 345kV
GEN-2008-003	101.0	OKGE	Woodward EHV 138kV
GEN-2008-019	300.0	OKGE	Tatonga 345kV
GEN-2008-029	250.0	OKGE	Woodward EHV 138kV
GEN-2008-044	197.8	OKGE	Tatonga 345kV
GEN-2010-011	30.0	OKGE	Tatonga 345kV
GEN-2010-040	300.0	OKGE	Cimarron 345kV
PRIOR QUEUED SUBTOTAL	3,659.6		
GEN-2011-007	250.0	OKGE	Tap Cimarron - Woodring (Matthewson) 345kV
GEN-2011-010	100.8	OKGE	Minco 345kV
GEN-2011-019	299.0	OKGE	Woodward 345kV
GEN-2011-020	299.0	OKGE	Woodward 345kV
GEN-2011-024	299.0	OKGE	Tatonga 345kV
CURRENT CLUSTER SUBTOTAL	1,247.8		
AREA TOTAL	4,907.4		

GROUP 2: HITCHLAND AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-011	48.0	SPS	TC-Texas County 69kV
GEN-2002-008	240.0	SPS	Hitchland 345kV
GEN-2002-009	80.0	SPS	Hansford 115kV
GEN-2003-020	160.0	SPS	Martin 115kV
GEN-2006-020S	18.9	SPS	DWS Frisco 115kV
GEN-2006-044	370.0	SPS	Hitchland 345kV
GEN-2006-049	400.0	SPS	Tap Finney - Hitchland (Stevens County) 345kV
GEN-2007-046	199.5	SPS	Hitchland 115kV
GEN-2007-057	34.5	SPS	Moore County East 115kV
GEN-2008-047	300.0	SPS	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV
GEN-2010-001	300.0	SPS	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV
GEN-2010-007	73.8	SPS	Tap Pringle - Riverview 115kV
GEN-2010-014	360.0	SPS	Hitchland 345kV
SPS Distributed (Dumas 19th St)	20.0	SPS	Dumas 19th Street 115kV
SPS Distributed (Etter)	20.0	SPS	Etter 115kV
SPS Distributed (Moore E)	25.0	SPS	Moore East 115kV
SPS Distributed (Sherman)	20.0	SPS	Sherman 115kV
SPS Distributed (Spearman)	10.0	SPS	Spearman 69kV
SPS Distributed (TC-Texas County)	20.0	SPS	Texas County 115kV
PRIOR QUEUED SUBTOTAL	2,699.7		
GEN-2011-012	104.5	SPS	Tap Moore County - Hitchland 345kV
GEN-2011-014	201.0	SPS	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV
GEN-2011-021	299.0	SPS	Tap Hitchland - Beaver 345kV
GEN-2011-022	299.0	SPS	Hitchland 345kV
CURRENT CLUSTER SUBTOTAL	903.5		
AREA TOTAL	3,603.2		

GROUP 3: SPEARVILLE AREA

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-039A	105.0	SUNCMKEC	Tap Greensburg - Ft Dodge 115kV
GEN-2002-025A	150.0	SUNCMKEC	Spearville 230kV
GEN-2004-014	154.5	SUNCMKEC	Spearville 230kV
GEN-2005-012	250.0	SUNCMKEC	Spearville 345kV
GEN-2006-006	205.5	SUNCMKEC	Spearville 345kV
GEN-2006-021	101.0	SUNCMKEC	Flat Ridge Tap 138kV
GEN-2006-022	150.0	SUNCMKEC	Pratt 115kV
GEN-2007-038	200.0	SUNCMKEC	Spearville 345kV
GEN-2007-040	200.0	SUNCMKEC	Tap Holcomb - Spearville (Gray County) 345kV
GEN-2008-018	405.0	SPS	Finney 345kV
GEN-2008-079	100.5	SUNCMKEC	Tap Cudahy - Ft Dodge 115kV
GEN-2008-124	200.0	SUNCMKEC	Spearville 345kV
GEN-2010-009	165.6	SUNCMKEC	Tap Holcomb - Spearville (Gray County) 345kV
GEN-2010-015	200.1	SUNCMKEC	Spearville 345kV
GEN-2010-045	197.8	SUNCMKEC	Tap Holcomb - Spearville (Gray County) 345kV
GEN-2010-053	199.8	SUNCMKEC	Clark County 345kV
Gray County Wind (Montezuma)	110.0	SUNCMKEC	Haggard 115kV
PRIOR QUEUED SUBTOTAL	3,094.8		
GEN-2010-029	450.0	SUNCMKEC	Spearville 345kV
GEN-2011-008	600.0	SUNCMKEC	Clark County 345kV
GEN-2011-016	200.1	SUNCMKEC	Spearville 345kV
GEN-2011-017	299.0	SUNCMKEC	Tap Spearville - PostRock 345kV
GEN-2011-023	299.0	SUNCMKEC	Clark 345kV
CURRENT CLUSTER SUBTOTAL	1,848.1		
AREA TOTAL	4,942.9		

GROUP 4: MINGO/NW KANSAS AREA

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-039M	100.0	SUNCMKEC	Central Plains Tap 115kV
GEN-2006-034	81.0	SUNCMKEC	Kanarado 115kV
GEN-2006-040	108.0	SUNCMKEC	Mingo 115kV
GEN-2007-011	135.0	SUNCMKEC	Syracuse 115kV
GEN-2007-013	99.0	SUNCMKEC	Selkirk 115kV
GEN-2008-017	300.0	SUNCMKEC	Setab 345kV
GEN-2008-025	101.0	SUNCMKEC	Ruleton 115kV
PRIOR QUEUED SUBTOTAL	924.0		
AREA TOTAL	924.0		

GROUP 5: AMARILLO AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2002-022	240.0	SPS	Bushland 230kV
GEN-2006-039	400.0	SPS	Tap and Tie both Potter - Plant X 230kV and Bushland - Deaf Smith (South Randle County) 230kV
GEN-2006-045	240.0	SPS	Tap and Tie both Potter - Plant X 230kV and Bushland - Deaf Smith (South Randle County) 230kV
GEN-2006-047	240.0	SPS	Tap and Tie both Potter - Plant X 230kV and Bushland - Deaf Smith (South Randle County) 230kV
GEN-2007-048	400.0	SPS	Tap Amarillo S - Swisher 230kV
GEN-2008-051	322.0	SPS	Potter County 345kV
GEN-2008-088	50.6	SPS	Vega 69kV
Llano Estacado (White Deer)	80.0	SPS	Llano Wind 115kV
PRIOR QUEUED SUBTOTAL	1,972.6		
AREA TOTAL	1,972.6		

GROUP 6: S-TX PANHANDLE/NW AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-010	42.0	SPS	Lovington 115kV
ASGI-2010-020	30.0	SPS	Tap LE-Tatum - LE-Crossroads 69kV
ASGI-2010-021	15.0	SPS	Tap LE-Saunders Tap - LE-Anderson 69kV
ASGI-2011-001	28.8	SPS	LE-Lovington 115kV
GEN-2001-033	180.0	SPS	San Juan Tap 230kV
GEN-2001-036	80.0	SPS	Norton 115kV
GEN-2006-018	170.0	SPS	Antelope 230kV
GEN-2006-026	502.0	SPS	Hobbs 230kV
GEN-2008-008	60.0	SPS	Graham 69kV
GEN-2008-009	60.0	SPS	San Juan Tap 230kV
GEN-2008-014	150.0	SPS	Tap Tuco- Oklaunion 345kV
GEN-2008-016	248.0	SPS	Grassland 230kV
GEN-2008-022	300.0	SPS	Tap Eddy Co - Tolk (Chaves County) 345kV
GEN-2009-067S	20.0	SPS	Seven Rivers 69kV
GEN-2010-006	205.0	SPS	Jones 230kV
GEN-2010-046	56.0	SPS	Tuco 230kV
PRIOR QUEUED SUBTOTAL	2,146.8		
ASGI-2011-002	10.0	SPS	Herring 115kV
ASGI-2011-003	10.0	SPS	Hendricks 115kV
GEN-2010-020	20.0	SPS	Roswell 69kV
GEN-2010-058	20.0	SPS	Chaves County 115kV
GEN-2011-025	82.3	SPS	Tap Floyd County - Crosby County 115kV
CURRENT CLUSTER SUBTOTAL	142.3		
AREA TOTAL	2,289.1		

GROUP 7: SW OKLAHOMA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-026	74.0	WFEC	Washita 138kV
GEN-2002-005	120.0	WFEC	Red Hills Tap 138kV
GEN-2003-004 GEN-2004-023 GEN-2005-003	151.2	WFEC	Washita 138kV
GEN-2003-005	100.0	WFEC	Anadarko - Paradise (Blue Canyon) 138kV
GEN-2003-022	120.0	AEPW	Washita 34.5kV
GEN-2004-020	27.0	AEPW	Washita 34.5kV
GEN-2006-002	101.0	AEPW	Sweetwater 230kV
GEN-2006-035	225.0	AEPW	Sweetwater 230kV
GEN-2006-043	99.0	AEPW	Sweetwater 230kV
GEN-2007-032	150.0	WFEC	Tap Clinton Junction - Clinton 138kV
GEN-2007-052	150.0	WFEC	Anadarko 138kV
GEN-2008-023	150.0	AEPW	Hobart Junction 138kV
GEN-2008-037	101.0	WFEC	Tap Washita - Blue Canyon Wind 138kV
GEN-2009-016	100.8	AEPW	Falcon Road 138kV
GEN-2010-012	65.0	WFEC	Brantley 138kV
PRIOR QUEUED SUBTOTAL	1,734.0		
AREA TOTAL	1,734.0		

GROUP 8: N-OK/S-KS AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-006	150.0	AECI	Tap Fairfax Tap - Fairfax (AECI) 138kV
GEN-2002-004	200.0	WERE	Latham 345kV
GEN-2005-013	201.0	WERE	Tap Latham - Neosho (Caney River) 345kV
GEN-2007-025	300.0	WERE	Tap Wichita - Woodring (Sumner County) 345kV
GEN-2008-013	300.0	OKGE	Tap Wichita - Woodring (South of GEN-2007-025) 345kV
GEN-2008-021	42.0	WERE	Wolf Creek 345kV
GEN-2008-071	76.8	OKGE	Newkirk 138kV
GEN-2008-098	100.8	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV
GEN-2008-127	200.0	WERE	Tap Rosehill - Sooner 345kV
GEN-2009-025	60.0	OKGE	Tap Deer Creek - Sinclair Blackwell 69kV
GEN-2010-003	100.8	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV
GEN-2010-005	300.0	WERE	Tap Wichita - Woodring (Sumner County) 345kV
PRIOR QUEUED SUBTOTAL	2,031.4		
GEN-2010-055	4.5	AEPW	Wekiwa 138kV
CURRENT CLUSTER SUBTOTAL	4.5		
AREA TOTAL	2,035.9		

GROUP 9/10: NEBRASKA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2002-023N	0.8	NPPD	Harmony 115kV
GEN-2003-021N	75.0	NPPD	Ainsworth Wind Tap 115kV
GEN-2004-005N	30.0	NPPD	St Francis 115kV
GEN-2004-023N	75.0	NPPD	Columbus County 115kV
GEN-2006-020N	42.0	NPPD	Bloomfield 115kV
GEN-2006-037N1	75.0	NPPD	Broken Bow 115kV
GEN-2006-038N005	80.0	NPPD	Broken Bow 115kV
GEN-2006-038N019	80.0	NPPD	Petersburg 115kV
GEN-2006-044N	40.5	NPPD	Petersburg 115kV
GEN-2006-044N02	100.5	NPPD	Tap Ft Randle - Columbus (Madison County) 230kV
GEN-2007-011N08	81.0	NPPD	Bloomfield 115kV
GEN-2007-015	135.0	WERE	Tap Kelly(WERE) - S1399(OPPD) 161kV
GEN-2008-086N02	200.0	NPPD	Tap Ft Randle - Columbus (Madison County) 230kV
GEN-2008-119O	60.0	OPPD	S1399 161kV
GEN-2008-123N	89.7	NPPD	Tap Guide Rock - Pauline 115kV
GEN-2009-040	73.8	WERE	Tap Smittyville - Knob Hill 115kV
GEN-2010-041	10.5	OPPD	S 1399 161kV
GEN-2010-051	200.0	NPPD	Tap Twin Church - Hoskins 230kV
NPPD Distributed (Broken Bow)	8.3	NPPD	Broken Bow 115kV
NPPD Distributed (Burwell)	3.0	NPPD	Ord 115kV
NPPD Distributed (Columbus Hydro)	45.0	NPPD	Columbus 115kV
NPPD Distributed (Ord)	10.8	NPPD	Ord 115kV
NPPD Distributed (Stuart)	2.1	NPPD	Ainsworth 115kV
PRIOR QUEUED SUBTOTAL	1,518.0		
GEN-2011-018	73.6	NPPD	Steele City 115kV
GEN-2011-027	120.0	NPPD	Tap Twin Church - Hoskins 230kV (GEN-2010-51 Tap)
CURRENT CLUSTER SUBTOTAL	193.6		
AREA TOTAL	1,711.6		

GROUP 11: N KANSAS AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2003-006A	200.0	SUNCMKEC	Elm Creek 230kV
GEN-2003-019	250.0	MIDW	Smoky Hills Tap 230kV
GEN-2006-031	75.0	MIDW	Knoll 115kV
GEN-2006-032	200.0	MIDW	South Hays 230kV
GEN-2008-092	201.0	MIDW	Postrock 230kV
GEN-2009-008	199.5	MIDW	South Hays 230kV
GEN-2009-011	50.0	SUNCMKEC	Tap Plainsville - Phillipsburg 115kV
GEN-2009-020	48.6	MIDW	Tap Nekoma - Bazine 69kV
GEN-2010-048	70.0	MIDW	Tap Beach Station - Redline 115kV
PRIOR QUEUED SUBTOTAL	1,294.1		
GEN-2010-057	201.0	WERE	Rice County 230kV
CURRENT CLUSTER SUBTOTAL	201.0		
AREA TOTAL	1,495.1		

GROUP 12: NW AR AREA			
Request	Capacity	Area	Proposed Point of Interconnection
AREA TOTAL	0.0		

GROUP 13: NW MISSOURI AREA			
Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-001	400.0	AECI	Tap Cooper - Fairport (AECI) 345kV
ASGI-2010-005	99.0	AECI	Lathrop (AECI) 161kV
ASGI-2010-009	201.0	AECI	Osborn (AECI) 161kV
GEN-2006-014	300.0	MIPU	Tap Maryville - Midway 161kV
GEN-2006-017	300.0	MIPU	Tap Maryville - Midway 161kV (GEN-2006-014 TAP)
GEN-2007-017	100.5	MIPU	Tap Maryville - Midway (GEN-2006-014 TAP) 161kV
GEN-2007-053	110.0	MIPU	Tap Maryville - Midway (GEN-2006-014 TAP) 161kV
GEN-2008-129	80.0	MIPU	Pleasant Hill 161kV
GEN-2010-036	4.6	WERE	6th Street 115kV
PRIOR QUEUED SUBTOTAL	1,595.1		
GEN-2010-056	151.0	MIPU	Tap Saint Joseph - Cooper 345kV
GEN-2011-011	50.0	KACP	Iatan 345kV
CURRENT CLUSTER SUBTOTAL	201.0		
AREA TOTAL	1,595.1		

GROUP 14: S OKLAHOMA AREA			
Request	Capacity	Area	Proposed Point of Interconnection
GEN-2008-046	200.0	OKGE	Sunnyside 345kV
PRIOR QUEUED SUBTOTAL	200.0		
AREA TOTAL	200.0		

GROUP 15: RESERVED			
Request	Capacity	Area	Proposed Point of Interconnection
AREA TOTAL	0.0		

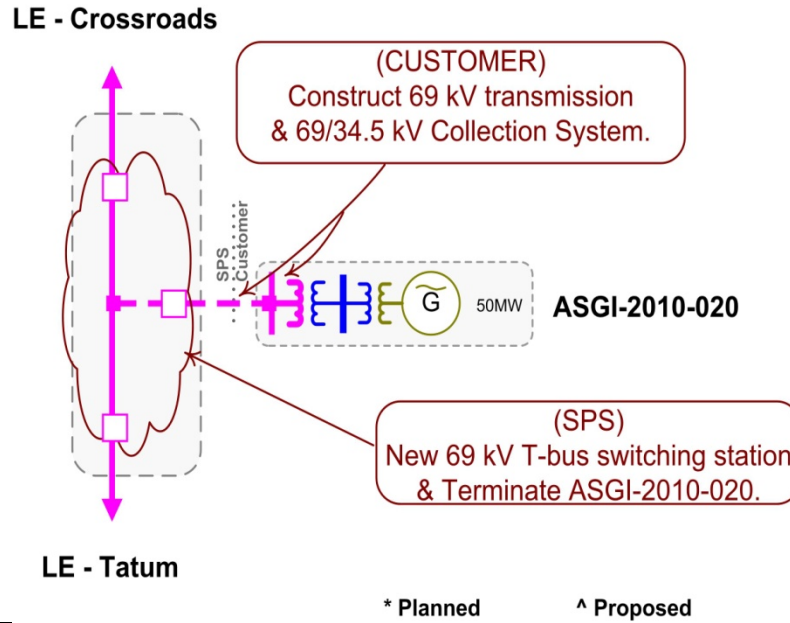
CLUSTER TOTAL (CURRENT STUDY)	4,741.8	MW
PQ TOTAL (PRIOR QUEUED)	22,870.1	MW
CLUSTER TOTAL (INCLUDING PRIOR QUEUED)	27,611.9	MW

D: Proposed Point of Interconnection One line Diagrams

Refer to most recent Facility study for each request for an updated one-line.

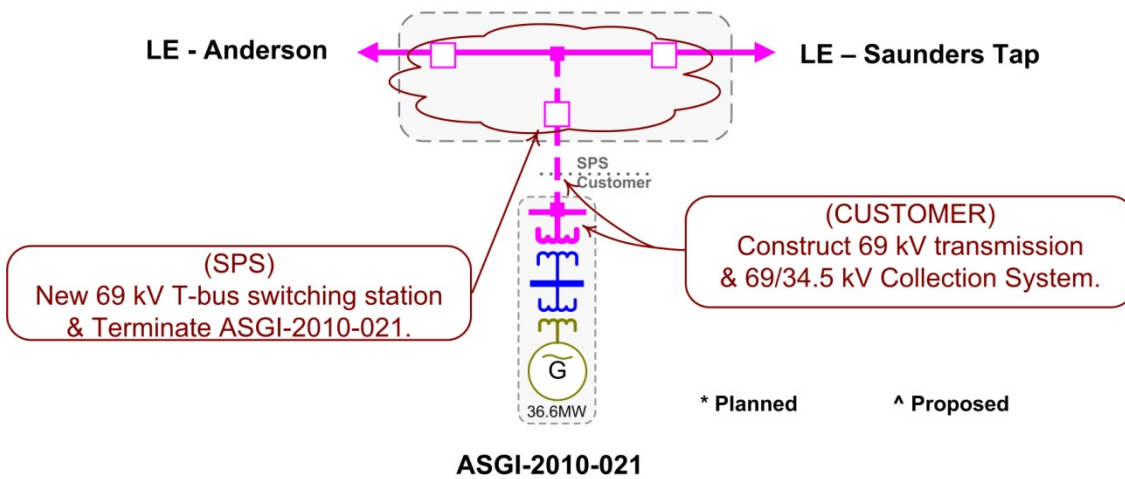
ASGI-2010-020

**New (SPS)
69 kV SWITCHING STATION**

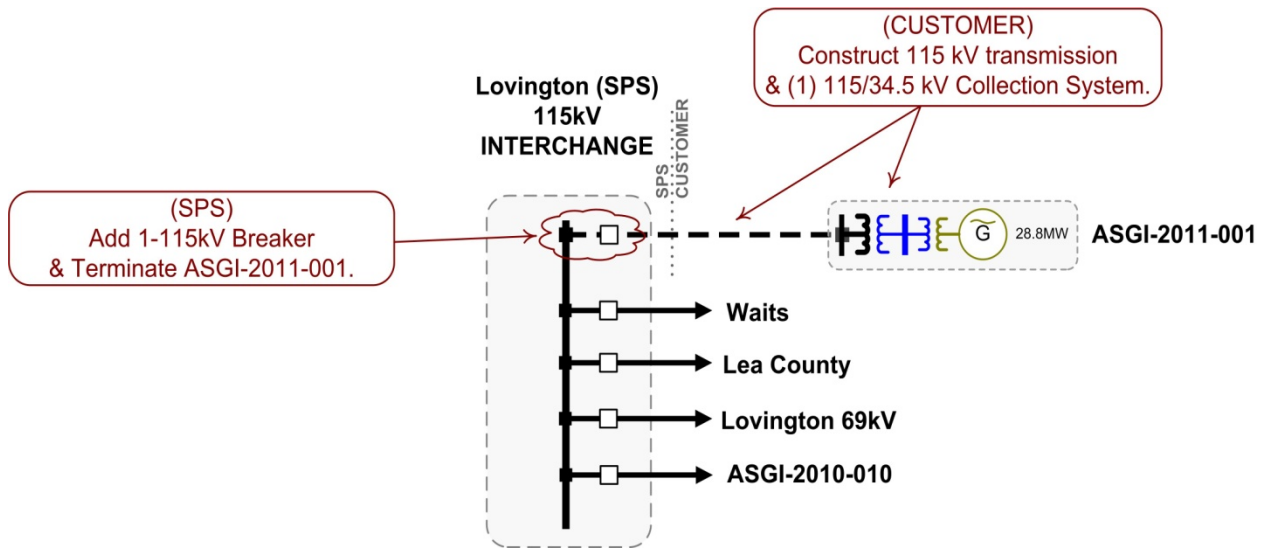


ASGI-2010-021

**New (SPS)
69 kV SWITCHING STATION**



ASGI-2011-001



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 Generation 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 a 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 Generation 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 Facility Study Agreement.

Appendix E. Cost Allocation Per Request

(Including Previously Allocated Network Upgrades*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
ASGI-2011-002			
ASGI 2011-002 Interconnection Costs See Online Diagram.	Current Study	\$0.00	\$0.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$0.00	

ASGI-2011-003

ASGI 2011-003 Interconnection Costs See Online Diagram.	Current Study	\$0.00	\$0.00
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* 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
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$0.00	

GEN-2010-020

GEN-2010-020 Interconnection Costs See Online Diagram.	Current Study	\$906,824.00	\$906,824.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00

* 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-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total		\$906,824.00

GEN-2010-029

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$29,222,463.46	\$170,209,050.00
Benton - Wichita 345kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Benton and Wichita	Current Study	\$430,710.22	\$1,183,000.00
GEN-2010-029 Interconnection Costs See Online Diagram.	Current Study	\$8,000,000.00	\$8,000,000.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$3,497,594.44	\$42,903,753.00
Mullergren - Reno 345kV Dbl CKT Build approximately 86 miles of new Dbl 345kV circuit from Mullergren - Reno @ 2000 amps	Current Study	\$42,184,300.37	\$147,269,300.00
Spearville - Mullergren 345kV Dbl CKT Build approximately 75 miles of new Dbl 345kV circuit from Spearville - Mullergren @ 2000 amps	Current Study	\$35,518,965.91	\$124,000,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$7,173,948.85	\$104,260,473.00

* 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
Axtell - PostRock 345KV CKT 1 Balanced Portfolio: PostRock - Axtell 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$93,302,649.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-017 Tap - Postrock 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Mullergren - Spearville 230kV CKT 1 NRIS only upgrade: Rebuild approximately 62 miles of 230kV line	Previously Allocated		\$61,500,000.00
Spearville - GEN-2011-017T 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$126,027,983.25	

GEN-2010-055

GEN-2010-055 Interconnection Costs See Online Diagram.	Current Study	\$309,300.00	\$309,300.00
	Current Study Total	\$309,300.00	

GEN-2010-056

* 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-2010-056 Interconnection Costs See Online Diagram.	Current Study	\$8,360,000.00	\$8,360,000.00
Nashua 345/161/13.8KV Autotransformer CKT 1 Balanced Portfolio: Nashua/161/13.8 Autotransformer 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$4,620,000.00
	Current Study Total	\$8,360,000.00	
<hr/>			
GEN-2010-057			
GEN-2010-057 Interconnection Costs See Online Diagram.	Current Study	\$859,521.00	\$859,521.00
Lyons - Wheatland 115kV Rerate circuit @ 1000 amps	Current Study	\$80,000.00	\$80,000.00
Rice County - Circle 230kV Conversion Convert from 115kV to 230kV operation	Current Study	\$9,889,234.00	\$9,889,234.00
Rice County - Lyons 115kV Rebuild circuit @ 1000 Amps	Current Study	\$6,646,800.00	\$6,646,800.00
Rice County 230/115kV transformer Install 230/115kV transformer at Rice County substation	Current Study	\$7,835,455.00	\$7,835,455.00
Wheatland - Lyons 115kV Rerate circuit @ 1000 amps	Current Study	\$76,103.00	\$76,103.00
Axtell - PostRock 345KV CKT 1 Balanced Portfolio: PostRock - Axtell 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$93,302,649.00
	Current Study Total	\$25,387,113.00	
<hr/>			
GEN-2010-058			
GEN-2010-058 Interconnection Costs See Online Diagram.	Current Study	\$1,206,694.00	\$1,206,694.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00

* 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
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$1,206,694.00	

GEN-2011-007

GEN-2011-007 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$7,190,547.74	\$42,903,753.00
Northwest 345/138k/13.8kV Autotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
	Current Study Total	\$10,844,900.74	

GEN-2011-008

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$29,705,764.69	\$170,209,050.00
GEN-2011-008 Interconnection Costs See Online Diagram.	Current Study	\$5,000,000.00	\$5,000,000.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$4,824,441.66	\$42,903,753.00
Mullergren - Reno 345kV Dbl CKT Build approximately 86 miles of new Dbl 345kV circuit from Mullergren - Reno @ 2000 amps	Current Study	\$43,743,363.83	\$147,269,300.00

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Spearville - Mullergren 345kV Dbl CKT Build approximately 75 miles of new Dbl 345kV circuit from Spearville - Mullergren @ 2000 amps	Current Study	\$36,831,689.39	\$124,000,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$9,872,632.27	\$104,260,473.00
Axtell - PostRock 345KV CKT 1 Balanced Portfolio: PostRock - Axtell 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$93,302,649.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-017 Tap - Postrock 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Spearville - GEN-2011-017T 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$129,977,891.84	

GEN-2011-010

GEN-2011-010 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
	Current Study Total	\$3,654,353.00	

GEN-2011-011

GEN-2011-011 Interconnection Costs See Online Diagram.	Current Study	\$0.00	\$0.00
Iatan - Nashua 345KV CKT 1 Balanced Portfolio: Iatan - Nashua 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$49,824,000.00
Nashua 345/161/13.8KV Autotransformer CKT 1 Balanced Portfolio: Nashua/161/13.8 Autotransformer 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$4,620,000.00
	Current Study Total	\$0.00	

GEN-2011-012

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$5,777,789.45	\$170,209,050.00
Deaf Smith County Interchange - South Randle County 230kV CKT 1 NRIS only required upgrade: Replace line trap at Deaf Smith Interchange	Current Study	\$16,571.11	\$100,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$324,575.79	\$7,760,000.00
GEN-2011-012 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$703,868.77	\$42,903,753.00
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$34,297.96	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$2,728,846.38	\$104,260,473.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$13,240,302.46	

GEN-2011-014

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$17,193,829.51	\$170,209,050.00
Deaf Smith County Interchange - South Randle County 230kV CKT 1 NRIS only required upgrade: Replace line trap at Deaf Smith Interchange	Current Study	\$18,987.83	\$100,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$891,239.04	\$7,760,000.00
GEN-2011-014 Interconnection Costs See Online Diagram.	Current Study	\$3,954,353.00	\$3,954,353.00
Hitchland 230/115/13.2kV Transformer CKT 2 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$962,609.63	\$4,220,694.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$1,852,127.80	\$42,903,753.00

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$94,177.32	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$6,212,058.78	\$104,260,473.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$31,179,382.91	

GEN-2011-016

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$12,987,761.54	\$170,209,050.00
Benton - Wichita 345kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Benton and Wichita	Current Study	\$191,426.77	\$1,183,000.00
GEN-2011-016 Interconnection Costs See Online Diagram.	Current Study	\$8,000,000.00	\$8,000,000.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$1,554,486.42	\$42,903,753.00
Mullergren - Reno 345kV Dbl CKT Build approximately 86 miles of new Dbl 345kV circuit from Mullergren - Reno @ 2000 amps	Current Study	\$18,748,577.94	\$147,269,300.00

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Spearville - Mullergren 345kV Dbl CKT Build approximately 75 miles of new Dbl 345kV circuit from Spearville - Mullergren @ 2000 amps	Current Study	\$15,786,207.07	\$124,000,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$3,188,421.71	\$104,260,473.00
Axtell - PostRock 345KV CKT 1 Balanced Portfolio: PostRock - Axtell 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$93,302,649.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-017 Tap - Postrock 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Mullergren - Spearville 230kV CKT 1 NRIS only upgrade: Rebuild approximately 62 miles of 230kV line	Previously Allocated		\$61,500,000.00
Spearville - GEN-2011-017T 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$60,456,881.45	

GEN-2011-017

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Monday, May 07, 2012

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$17,300,707.16	\$170,209,050.00
Benton - Wichita 345kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Benton and Wichita	Current Study	\$255,908.89	\$1,183,000.00
GEN-2011-017 Interconnection Costs See Online Diagram.	Current Study	\$4,000,000.00	\$4,000,000.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$2,175,544.82	\$42,903,753.00
Mullergren - Reno 345kV Dbl CKT Build approximately 86 miles of new Dbl 345kV circuit from Mullergren - Reno @ 2000 amps	Current Study	\$20,794,281.55	\$147,269,300.00
Spearville - Mullergren 345kV Dbl CKT Build approximately 75 miles of new Dbl 345kV circuit from Spearville - Mullergren @ 2000 amps	Current Study	\$17,508,679.08	\$124,000,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$4,217,571.39	\$104,260,473.00
Axtell - PostRock 345KV CKT 1 Balanced Portfolio: PostRock - Axtell 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$93,302,649.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-017 Tap - Postrock 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00

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Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$66,252,692.89	
GEN-2011-018			
GEN-2011-018 Interconnection Costs See Oonline Diagram.	Current Study	\$900,000.00	\$900,000.00
Sheldon - Folsom & Pleasant Hill 115kV CKT 2 NRIS only required upgrade: Per ITP NT 2011	Previously Allocated		\$6,534,843.00
	Current Study Total	\$900,000.00	
GEN-2011-019			
Chisholm - Maize 138kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Chisholm	Current Study	\$286,600.00	\$573,200.00
EI Reno - Roman Nose 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 31 miles of 138kV circuit @ 2000 amps	Current Study	\$7,902,782.00	\$15,805,564.00
Evans Energy Center - Maize 138kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Evans Energy Center	Current Study	\$286,600.00	\$573,200.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$1,772,555.32	\$7,760,000.00
GEN-2011-019 Interconnection Costs See Oonline Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$3,454,598.72	\$42,903,753.00
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$187,306.10	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$11,925,916.43	\$104,260,473.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00

* 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
Northwest 345/138k/13.8kVAutotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward (OKGE) - Woodward (WFEC) 69kV CKT 1 NRIS only required upgrade: Per NTC 20003	Previously Allocated		\$1,050,000.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total		\$29,470,711.57

GEN-2011-020

Chisholm - Maize 138kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Chisholm	Current Study	\$286,600.00	\$573,200.00
EI Reno - Roman Nose 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 31 miles of 138kV circuit @ 2000 amps	Current Study	\$7,902,782.00	\$15,805,564.00
Evans Energy Center - Maize 138kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Evans Energy Center	Current Study	\$286,600.00	\$573,200.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$1,772,555.32	\$7,760,000.00
GEN-2011-020 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$3,454,598.72	\$42,903,753.00
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$187,306.10	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$11,925,916.43	\$104,260,473.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00

* 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 - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Northwest 345/138k/13.8kVAutotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward (OKGE) - Woodward (WFEC) 69kV CKT 1 NRIS only required upgrade: Per NTC 20003	Previously Allocated		\$1,050,000.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$29,470,711.57	

GEN-2011-021

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$25,522,413.79	\$170,209,050.00
Deaf Smith County Interchange - South Randle County 230kV CKT 1 NRIS only required upgrade: Replace line trap at Deaf Smith Interchange	Current Study	\$28,303.13	\$100,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$1,324,398.79	\$7,760,000.00
GEN-2011-021 Interconnection Costs See Online Diagram.	Current Study	\$10,000,000.00	\$10,000,000.00
Hitchland 230/115/13.2kV Transformer CKT 2 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$1,434,575.55	\$4,220,694.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$2,753,149.72	\$42,903,753.00
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$139,949.36	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$9,235,462.76	\$104,260,473.00

* 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
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$50,438,253.10	

GEN-2011-022

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$17,694,947.67	\$170,209,050.00
Deaf Smith County Interchange - South Randle County 230kV CKT 1 NRIS only required upgrade: Replace line trap at Deaf Smith Interchange	Current Study	\$36,137.93	\$100,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$1,130,289.27	\$7,760,000.00
GEN-2011-022 Interconnection Costs See Online Diagram.	Current Study	\$3,281,952.00	\$3,281,952.00
Hitchland 230/115/13.2kV Transformer CKT 2 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$1,823,508.82	\$4,220,694.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$2,427,745.57	\$42,903,753.00

* 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
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$119,437.78	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$8,449,694.06	\$104,260,473.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$34,963,713.10	

GEN-2011-023

Beaver County - Gray County 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County	Current Study	\$14,803,372.73	\$170,209,050.00
Benton - Wichita 345kV CKT 1 NRIS only required upgrade: Replace terminal equipment at Benton and Wichita	Current Study	\$304,954.12	\$1,183,000.00

* 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-2011-023 Interconnection Costs See Online Diagram.	Current Study	\$5,000,000.00	\$5,000,000.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$2,404,180.10	\$42,903,753.00
Mullergren - Reno 345kV Dbl CKT Build approximately 86 miles of new Dbl 345kV circuit from Mullergren - Reno @ 2000 amps	Current Study	\$21,798,776.31	\$147,269,300.00
Spearville - Mullergren 345kV Dbl CKT Build approximately 75 miles of new Dbl 345kV circuit from Spearville - Mullergren @ 2000 amps	Current Study	\$18,354,458.55	\$124,000,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$4,919,861.75	\$104,260,473.00
Axtell - PostRock 345KV CKT 1 Balanced Portfolio: PostRock - Axtell 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$93,302,649.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$291,088,131.00
GEN-2011-017 Tap - Postrock 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Mullergren - Spearville 230kV CKT 1 NRIS only upgrade: Rebuild approximately 62 miles of 230kV line	Previously Allocated		\$61,500,000.00
Spearville - GEN-2011-017T 345kV CKT 1 Balanced Portfolio: Spearville - PostRock 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$77,703,351.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00

* 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
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$67,585,603.56	
GEN-2011-024			
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$544,386.46	\$7,760,000.00
GEN-2011-024 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$6,610,868.52	\$42,903,753.00
Mooreland - Woodward 138kV CKT 1 NRIS only required upgrade: ITP 10 ATP Pending	Current Study	\$57,525.37	\$820,000.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$24,410,142.19	\$104,260,473.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Northwest 345/138k/13.8kVAutotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$35,277,275.54	
GEN-2011-025			
GEN-2011-025 Interconnection Costs See Online Diagram.	Current Study	\$4,249,629.00	\$4,249,629.00

* 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
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$143,377,063.00
GEN-2011-021 Tap - Beaver County 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - Beaver County 345kV Dbl CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland - GEN-2011-021 Tap 345kV CKT 1 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,790,727.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$168,750,000.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$212,090,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 & Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$9,106,306.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$15,000,000.00
	Current Study Total	\$4,249,629.00	

GEN-2011-027

GEN-2011-027 Interconnection Costs See Online Diagram.	Current Study	\$2,800,000.00	\$2,800,000.00
Hoskins - Dixon County - Twin Church 230kV Rerate per NPPD Facility Study	Current Study	\$500,000.00	\$500,000.00
Albion - Petersbug 115kV CKT 1	Previously Allocated		\$900,000.00
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000.00

* 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
	Current Study Total	\$3,300,000.00	
TOTAL CURRENT STUDY COSTS:		\$733,460,216.98	

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

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 Generation 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

ASGI 2011-002 Interconnection Costs \$0.00

See Online Diagram.

ASGI-2011-002 \$0.00

Total Allocated Costs \$0.00

ASGI 2011-003 Interconnection Costs \$0.00

See Online Diagram.

ASGI-2011-003 \$0.00

Total Allocated Costs \$0.00

Beaver County - Gray County 345kV \$170,209,050.00

Build approximately 90 miles of 345kV from Beaver County - Gray County

GEN-2010-029 \$29,222,463.46

GEN-2011-008 \$29,705,764.69

GEN-2011-012 \$5,777,789.45

GEN-2011-014 \$17,193,829.51

GEN-2011-016 \$12,987,761.54

GEN-2011-017 \$17,300,707.16

GEN-2011-021 \$25,522,413.79

GEN-2011-022 \$17,694,947.67

GEN-2011-023 \$14,803,372.73

Total Allocated Costs \$170,209,050.00

Benton - Wichita 345kV CKT 1 \$1,183,000.00

NRIS only required upgrade: Replace terminal equipment at Benton and Wichita

GEN-2010-029 \$430,710.22

GEN-2011-016 \$191,426.77

GEN-2011-017 \$255,908.89

GEN-2011-023 \$304,954.12

Total Allocated Costs \$1,183,000.00

Chisholm - Maize 138kV CKT 1 \$573,200.00

NRIS only required upgrade: Replace terminal equipment at Chisholm

GEN-2011-019 \$286,600.00

GEN-2011-020 \$286,600.00

Total Allocated Costs \$573,200.00

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

Deaf Smith County Interchange - South Randle County 230kV CKT 1 **\$100,000.00**

NRIS only required upgrade: Replace line trap at Deaf Smith Interchange

GEN-2011-012	\$16,571.11
GEN-2011-014	\$18,987.83
GEN-2011-021	\$28,303.13
GEN-2011-022	\$36,137.93

Total Allocated Costs	\$100,000.00
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El Reno - Roman Nose 138kV CKT 1 **\$15,805,564.00**

NRIS only required upgrade: Rebuild approximately 31 miles of 138kV circuit @ 2000 amps

GEN-2011-019	\$7,902,782.00
GEN-2011-020	\$7,902,782.00

Total Allocated Costs	\$15,805,564.00
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Evans Energy Center - Maize 138kV CKT 1 **\$573,200.00**

NRIS only required upgrade: Replace terminal equipment at Evans Energy Center

GEN-2011-019	\$286,600.00
GEN-2011-020	\$286,600.00

Total Allocated Costs	\$573,200.00
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FPL Switch - Woodward 138kV CKT 1 **\$7,760,000.00**

NRIS only required upgrade: ITP 10 ATP Pending

GEN-2011-012	\$324,575.79
GEN-2011-014	\$891,239.04
GEN-2011-019	\$1,772,555.32
GEN-2011-020	\$1,772,555.32
GEN-2011-021	\$1,324,398.79
GEN-2011-022	\$1,130,289.27
GEN-2011-024	\$544,386.46

Total Allocated Costs	\$7,760,000.00
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GEN-2010-020 Interconnection Costs **\$906,824.00**

See Online Diagram.

GEN-2010-020	\$906,824.00
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Total Allocated Costs	\$906,824.00
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GEN-2010-029 Interconnection Costs **\$8,000,000.00**

See Online Diagram.

GEN-2010-029	\$8,000,000.00
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* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

	Total Allocated Costs	\$8,000,000.00
GEN-2010-055 Interconnection Costs		\$309,300.00
See Online Diagram.		
	GEN-2010-055	\$309,300.00
	Total Allocated Costs	\$309,300.00
GEN-2010-056 Interconnection Costs		\$8,360,000.00
See Online Diagram.		
	GEN-2010-056	\$8,360,000.00
	Total Allocated Costs	\$8,360,000.00
GEN-2010-057 Interconnection Costs		\$859,521.00
See Online Diagram.		
	GEN-2010-057	\$859,521.00
	Total Allocated Costs	\$859,521.00
GEN-2010-058 Interconnection Costs		\$1,206,694.00
See Online Diagram.		
	GEN-2010-058	\$1,206,694.00
	Total Allocated Costs	\$1,206,694.00
GEN-2011-007 Interconnection Costs		\$3,654,353.00
See Online Diagram.		
	GEN-2011-007	\$3,654,353.00
	Total Allocated Costs	\$3,654,353.00
GEN-2011-008 Interconnection Costs		\$5,000,000.00
See Online Diagram.		
	GEN-2011-008	\$5,000,000.00
	Total Allocated Costs	\$5,000,000.00
GEN-2011-010 Interconnection Costs		\$3,654,353.00
See Online Diagram.		
	GEN-2011-010	\$3,654,353.00
	Total Allocated Costs	\$3,654,353.00
GEN-2011-011 Interconnection Costs		\$0.00
See Online Diagram.		
	GEN-2011-011	\$0.00

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

	Total Allocated Costs	\$0.00
GEN-2011-012 Interconnection Costs		\$3,654,353.00
See Oonline Diagram.		
	GEN-2011-012	\$3,654,353.00
	Total Allocated Costs	\$3,654,353.00
GEN-2011-014 Interconnection Costs		\$3,954,353.00
See Oonline Diagram.		
	GEN-2011-014	\$3,954,353.00
	Total Allocated Costs	\$3,954,353.00
GEN-2011-016 Interconnection Costs		\$8,000,000.00
See Oonline Diagram.		
	GEN-2011-016	\$8,000,000.00
	Total Allocated Costs	\$8,000,000.00
GEN-2011-017 Interconnection Costs		\$4,000,000.00
See Oonline Diagram.		
	GEN-2011-017	\$4,000,000.00
	Total Allocated Costs	\$4,000,000.00
GEN-2011-018 Interconnection Costs		\$900,000.00
See Oonline Diagram.		
	GEN-2011-018	\$900,000.00
	Total Allocated Costs	\$900,000.00
GEN-2011-019 Interconnection Costs		\$3,654,353.00
See Oonline Diagram.		
	GEN-2011-019	\$3,654,353.00
	Total Allocated Costs	\$3,654,353.00
GEN-2011-020 Interconnection Costs		\$3,654,353.00
See Oonline Diagram.		
	GEN-2011-020	\$3,654,353.00
	Total Allocated Costs	\$3,654,353.00
GEN-2011-021 Interconnection Costs		\$10,000,000.00
See Oonline Diagram.		
	GEN-2011-021	\$10,000,000.00

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

	Total Allocated Costs	\$10,000,000.00
GEN-2011-022 Interconnection Costs		\$3,281,952.00
See Oonline Diagram.		
	GEN-2011-022	\$3,281,952.00
	Total Allocated Costs	\$3,281,952.00
GEN-2011-023 Interconnection Costs		\$5,000,000.00
See Oonline Diagram.		
	GEN-2011-023	\$5,000,000.00
	Total Allocated Costs	\$5,000,000.00
GEN-2011-024 Interconnection Costs		\$3,654,353.00
See Oonline Diagram.		
	GEN-2011-024	\$3,654,353.00
	Total Allocated Costs	\$3,654,353.00
GEN-2011-025 Interconnection Costs		\$4,249,629.00
See Oonline Diagram.		
	GEN-2011-025	\$4,249,629.00
	Total Allocated Costs	\$4,249,629.00
GEN-2011-027 Interconnection Costs		\$2,800,000.00
See Oonline Diagram.		
	GEN-2011-027	\$2,800,000.00
	Total Allocated Costs	\$2,800,000.00
Hitchland 230/115/13.2kV Transformer CKT 2		\$4,220,694.00
NRIS only required upgrade: ITP 10 ATP Pending		
	GEN-2011-014	\$962,609.63
	GEN-2011-021	\$1,434,575.55
	GEN-2011-022	\$1,823,508.82
	Total Allocated Costs	\$4,220,694.00
Hoskins - Dixon County - Twin Church 230kV		\$500,000.00
Rerate per NPPD Facility Study		
	GEN-2011-027	\$500,000.00
	Total Allocated Costs	\$500,000.00
Lyons - Wheatland 115kV		\$80,000.00
Rerate circuit @ 1000 amps		

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

GEN-2010-057 \$80,000.00

Total Allocated Costs \$80,000.00

Matthewson - Cimarron 345kV CKT 2

\$42,903,753.00

Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps

GEN-2010-029 \$3,497,594.44
GEN-2011-007 \$7,190,547.74
GEN-2011-008 \$4,824,441.66
GEN-2011-012 \$703,868.77
GEN-2011-014 \$1,852,127.80
GEN-2011-016 \$1,554,486.42
GEN-2011-017 \$2,175,544.82
GEN-2011-019 \$3,454,598.72
GEN-2011-020 \$3,454,598.72
GEN-2011-021 \$2,753,149.72
GEN-2011-022 \$2,427,745.57
GEN-2011-023 \$2,404,180.10
GEN-2011-024 \$6,610,868.52

Total Allocated Costs \$42,903,753.00

Mooreland - Woodward 138kV CKT 1

\$820,000.00

NRIS only required upgrade: ITP 10 ATP Pending

GEN-2011-012 \$34,297.96
GEN-2011-014 \$94,177.32
GEN-2011-019 \$187,306.10
GEN-2011-020 \$187,306.10
GEN-2011-021 \$139,949.36
GEN-2011-022 \$119,437.78
GEN-2011-024 \$57,525.37

Total Allocated Costs \$820,000.00

Mullergren - Reno 345kV Dbl CKT

\$147,269,300.00

Build approximately 86 miles of new Dbl 345kV circuit from Mullergren - Reno @ 2000 amps

GEN-2010-029 \$42,184,300.37
GEN-2011-008 \$43,743,363.83
GEN-2011-016 \$18,748,577.94
GEN-2011-017 \$20,794,281.55
GEN-2011-023 \$21,798,776.31

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

Total Allocated Costs		\$147,269,300.00
<hr/>		
Rice County - Lyons 115kV		\$6,646,800.00
Rebuild circuit @ 1000 Amps		
	GEN-2010-057	\$6,646,800.00
Total Allocated Costs		\$6,646,800.00
<hr/>		
Rice County 230/115kV transformer		\$7,835,455.00
Install 230/115kV transformer at Rice County substation		
	GEN-2010-057	\$7,835,455.00
Total Allocated Costs		\$7,835,455.00
<hr/>		
Rice County - Circle 230kV Conversion		\$9,889,234.00
Convert from 115kV to 230kV operation		
	GEN-2010-057	\$9,889,234.00
Total Allocated Costs		\$9,889,234.00
<hr/>		
Spearville - Mullergren 345kV Dbl CKT		\$124,000,000.00
Build approximately 75 miles of new Dbl 345kV circuit from Spearville - Mullergren @ 2000 amps		
	GEN-2010-029	\$35,518,965.91
	GEN-2011-008	\$36,831,689.39
	GEN-2011-016	\$15,786,207.07
	GEN-2011-017	\$17,508,679.08
	GEN-2011-023	\$18,354,458.55
Total Allocated Costs		\$124,000,000.00
<hr/>		
Tatonga - Matthewson 345kV CKT 2		\$104,260,473.00
Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps		
	GEN-2010-029	\$7,173,948.85
	GEN-2011-008	\$9,872,632.27
	GEN-2011-012	\$2,728,846.38
	GEN-2011-014	\$6,212,058.78
	GEN-2011-016	\$3,188,421.71
	GEN-2011-017	\$4,217,571.39
	GEN-2011-019	\$11,925,916.43
	GEN-2011-020	\$11,925,916.43
	GEN-2011-021	\$9,235,462.76
	GEN-2011-022	\$8,449,694.06
	GEN-2011-023	\$4,919,861.75
	GEN-2011-024	\$24,410,142.19

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

	Total Allocated Costs	\$104,260,473.00
Wheatland - Lyons 115kV		\$76,103.00
Rerate circuit @ 1000 amps		
	GEN-2010-057	\$76,103.00
	Total Allocated Costs	\$76,103.00

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

G: Power Flow Analysis (Constraints For Mitigation)

See next page.

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	2	0	12G	ASGI_11_002		Non Converged Contingency	0	0.35569	-	DBL-HTCH-BVR	
FNSL-Blown up	2	0	12G	ASGI_11_002		Non Converged Contingency	0	0.35569	-	DBL-BVR-WWRD	
FNSL-Blown up	2	2	12G	ASGI_11_002		Non Converged Contingency	0	0.36408	-	DBL-HTCH-BVR	
FNSL-Blown up	2	3	12G	ASGI_11_002		Non Converged Contingency	0	0.36333	-	DBL-BVR-WWRD	
FNSL-Blown up	01ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.19994	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.19369	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.35392	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.35392	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.17983	-	DBL-FINY-HOL	
FNSL-Blown up	3	0	12G	ASGI_11_002		Non Converged Contingency	0	0.19467	-	DBL-WICH-THI	
FNSL-Blown up	06ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.11902	-	DBL-HTCH-BVR	
FNSL-Blown up	01ALL	0	12G	ASGI_11_002		Non Converged Contingency	1195	0.15793	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	ASGI_11_002		Non Converged Contingency	1052	0.17983	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	ASGI_11_002		Non Converged Contingency	1324	0.11443	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	ASGI_11_002		Non Converged Contingency	1195	0.15793	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.35703	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.35703	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.19308	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1195	0.15183	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	717	0.03447	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	717	0.05941	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1195	0.15183	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.05658	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.09654	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.09654	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1195	0.04402	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.09654	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.09654	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.09654	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.09654	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	956	0.0342	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1328	0.06337	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.05658	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1328	0.06771	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1324	0.11783	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.04326	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	956	0.04653	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1052	0.11783	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	956	0.05021	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1052	0.11783	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.17852	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	1792	0.17852	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_002		Non Converged Contingency	0	0.23748	-	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.36225	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.36225	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.17811	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.1753	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	ASGI_11_002		Non Converged Contingency	1052	0.1753	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	2	2	12G	ASGI_11_002		Non Converged Contingency	0	0.36408	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1195	0.14966	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1195	0.14966	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1792	0.04824	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1792	0.04061	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1328	0.0653	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1328	0.06106	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	717	0.05733	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1195	0.03825	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1792	0.04824	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1051	0.04293	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1195	0.03825	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1792	0.08847	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1792	0.08847	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	956	0.03242	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	956	0.0449	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	717	0.03289	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.17694	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.35426	-	DBL-HTCH-BVR	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	0	0.35426	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	2	12G	ASGI_11_002		Non Converged Contingency	1324	0.11709	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	ASGI_11_002		Non Converged Contingency	1052	0.17458	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	ASGI_11_002		Non Converged Contingency	0	0.17717	-	DBL-WICH-THI
FNSL-Blown up	02ALL	3	12G	ASGI_11_002		Non Converged Contingency	0	0.36149	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	3	12G	ASGI_11_002		Non Converged Contingency	0	0.17458	-	DBL-FINY-HOL
FNSL-Blown up	02ALL	3	12G	ASGI_11_002		Non Converged Contingency	0	0.06038	-	SPP-AEPW-25
FNSL-Blown up	02ALL	3	12G	ASGI_11_002		Non Converged Contingency	0	0.05726	-	SPP-SWPS-T66
FNSL-Blown up	03ALL	3	12G	ASGI_11_002		Non Converged Contingency	1792	0.04379	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	ASGI_11_002		Non Converged Contingency	0	0.16801	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	ASGI_11_002		Non Converged Contingency	0	0.17827	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	ASGI_11_002		Non Converged Contingency	0	0.29245	-	DBL-BVR-WWRD
FDNS	01ALL	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19443	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22914	136.9326	DBL-THIS-WWR
FDNS	02ALL	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22232	135.5058	DBL-THIS-WWR
FDNS	1	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20534	132.8871	DBL-WICH-THI
FDNS	01ALL	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19443	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19443	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.24727	118.7202	DBL-THIS-WWR
FDNS	2	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20008	115.8542	DBL-WICH-THI
FDNS	1	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19296	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.37263	114.7663	DBL-HTCH-BVR
FDNS	02ALL	0	12G	ASGI_11_002	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.30583	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	ASGI_11_002	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.30583	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22392	112.2028	DBL-THIS-WWR
FDNS	1	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19296	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22232	109.1905	DBL-THIS-WWR
FDNS	1	0	12G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19296	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20603	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20603	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.37265	114.6203	DBL-HTCH-BVR
FDNS	02ALL	2	12G	ASGI_11_002	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.31251	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.31251	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26887	137.7338	DBL-THIS-WWR
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23169	102.8524	DBL-THIS-WWR
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23101	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23101	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23101	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22592	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21161	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21161	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20961	109.6189	SPP-SWPS-03
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	110.3459	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	108.3395	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	108.3221	SPP-SWPS-02
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	108.3164	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20955	108.0119	SPP-SWPS-02A
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20286	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20286	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.2024	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.2024	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27085	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24614	118.6835	DBL-WICH-THI
FDNS	2	2	12G	ASGI_11_002	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23262	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	3	12G	ASGI_11_002	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.31183	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	ASGI_11_002	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.31183	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	3	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23058	103.3402	DBL-THIS-WWR
FDNS	02ALL	3	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20162	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	ASGI_11_002	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20162	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	2	0	12G	ASGI_11_003		Non Converged Contingency	0	0.1388	-	DBL-HTCH-BVR
FNSL-Blown up	2	0	12G	ASGI_11_003		Non Converged Contingency	0	0.1388	-	DBL-BVR-WWRD
FNSL-Blown up	2	2	12G	ASGI_11_003		Non Converged Contingency	0	0.14549	-	DBL-HTCH-BVR
FNSL-Blown up	2	3	12G	ASGI_11_003		Non Converged Contingency	0	0.14433	-	DBL-BVR-WWRD
FNSL-Blown up	01ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.19428	-	DBL-THIS-WWR
FNSL-Blown up	02ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.16448	-	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	02ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.13703	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.13703	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.12225	-	DBL-FINY-HOL	
FNSL-Blown up	3	0	12G	ASGI_11_003		Non Converged Contingency	0	0.16546	-	DBL-WICH-THI	
FNSL-Blown up	06ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.04632	-	DBL-HTCH-BVR	
FNSL-Blown up	01ALL	0	12G	ASGI_11_003		Non Converged Contingency	1195	0.12847	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	ASGI_11_003		Non Converged Contingency	1052	0.12225	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	ASGI_11_003		Non Converged Contingency	1324	0.26594	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	ASGI_11_003		Non Converged Contingency	1195	0.12847	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.16387	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.14014	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.14014	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1195	0.12237	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	717	0.04533	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1195	0.12237	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.0471	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1195	0.04355	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.08194	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1328	0.04764	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.0471	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1328	0.05102	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1324	0.26934	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.03782	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	956	0.03549	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1052	0.26934	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	956	0.04926	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1052	0.26934	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.07007	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	1792	0.07007	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	ASGI_11_003		Non Converged Contingency	0	0.09321	-	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.15209	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.14367	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.14367	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.11864	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	ASGI_11_003		Non Converged Contingency	1052	0.11864	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	2	2	12G	ASGI_11_003		Non Converged Contingency	0	0.14549	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1195	0.12084	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1195	0.12084	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1792	0.041	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1792	0.03599	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1328	0.04928	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1328	0.04599	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	717	0.04386	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1792	0.041	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1051	0.03918	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1792	0.07614	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1792	0.07614	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	956	0.03434	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.15228	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.13817	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	0	0.13817	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	ASGI_11_003		Non Converged Contingency	1324	0.26884	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	ASGI_11_003		Non Converged Contingency	1052	0.11789	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	ASGI_11_003		Non Converged Contingency	0	0.15121	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	ASGI_11_003		Non Converged Contingency	0	0.14249	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	3	12G	ASGI_11_003		Non Converged Contingency	0	0.11789	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	3	12G	ASGI_11_003		Non Converged Contingency	0	0.03215	-	SPP-AEPW-25	
FNSL-Blown up	03ALL	3	12G	ASGI_11_003		Non Converged Contingency	1792	0.03778	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	ASGI_11_003		Non Converged Contingency	0	0.14581	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	ASGI_11_003		Non Converged Contingency	0	0.1526	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	ASGI_11_003		Non Converged Contingency	0	0.09379	-	DBL-BVR-WWRD	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21052	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19764	136.9326	DBL-THIS-WWR	
FDNS	02ALL	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19082	135.5058	DBL-THIS-WWR	
FDNS	06ALL	0	12G	ASGI_11_003	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.46793	131.0732	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21052	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21052	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	06ALL	0	12G	ASGI_11_003	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.46793	128.4194	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2	
FDNS	06ALL	0	12G	ASGI_11_003	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.45726	127.882	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	06ALL	0	12G	ASGI_11_003	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.45726	126.0401	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20906	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	ASGI_11_003	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.1969	114.7663	DBL-HTCH-BVR	
FDNS	02ALL	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20195	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	2	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19242	112.2028	DBL-THIS-WWR	
FDNS	02ALL	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20195	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20906	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.19082	109.1905	DBL-THIS-WWR	
FDNS	1	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20906	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	06ALL	0	12G	ASGI_11_003	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.29584	104.2515	DBL-BVR-WWRD	
FDNS	2	0	12G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20322	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	06ALL	0	12G	ASGI_11_003	FROM->TO	JONES STATION - TUCO INTERCHANGE 230KV CKT 1	351	0.20872	101.6964	DBL-BVR-WWRD	
FDNS	02ALL	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25127	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25127	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25127	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23073	137.7338	DBL-THIS-WWR	
FDNS	2	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25289	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	2	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2327	112.6262	DBL-THIS-WWR	
FDNS	2	2	12G	ASGI_11_003	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20088	118.6835	DBL-WICH-THI	
FNSL-Blown up	2	0	12G	G10_020		Non Converged Contingency	0	0.18543	-	DBL-HTCH-BVR	
FNSL-Blown up	2	0	12G	G10_020		Non Converged Contingency	0	0.18543	-	DBL-BVR-WWRD	
FNSL-Blown up	2	2	12G	G10_020		Non Converged Contingency	0	0.19247	-	DBL-HTCH-BVR	
FNSL-Blown up	2	3	12G	G10_020		Non Converged Contingency	0	0.19208	-	DBL-BVR-WWRD	
FNSL-Blown up	01ALL	0	12G	G10_020		Non Converged Contingency	0	0.19524	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	G10_020		Non Converged Contingency	0	0.17052	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	G10_020		Non Converged Contingency	0	0.18366	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	0	12G	G10_020		Non Converged Contingency	0	0.18366	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	G10_020		Non Converged Contingency	0	0.13453	-	DBL-FINY-HOL	
FNSL-Blown up	3	0	12G	G10_020		Non Converged Contingency	0	0.1715	-	DBL-WICH-THI	
FNSL-Blown up	06ALL	0	12G	G10_020		Non Converged Contingency	0	0.06218	-	DBL-HTCH-BVR	
FNSL-Blown up	01ALL	0	12G	G10_020		Non Converged Contingency	1195	0.13451	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G10_020		Non Converged Contingency	1052	0.13453	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G10_020		Non Converged Contingency	1324	0.23195	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G10_020		Non Converged Contingency	1195	0.13451	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	0	0.18677	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	0	0.18677	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	0	0.16991	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1195	0.1284	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	717	0.04832	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1195	0.1284	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.0491	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1195	0.04364	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.08496	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1328	0.05099	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.0491	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1328	0.05457	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1324	0.23535	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.03896	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	956	0.03783	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1052	0.23535	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	956	0.04945	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1052	0.23535	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.09339	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	1792	0.09339	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G10_020		Non Converged Contingency	0	0.12423	-	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FNSL-Blown up	02ALL	2	12G	G10_020		Non Converged Contingency	0	0.19065	-	DBL-HTCH-BVR
FNSL-Blown up	02ALL	2	12G	G10_020		Non Converged Contingency	0	0.19065	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	2	12G	G10_020		Non Converged Contingency	0	0.15748	-	DBL-WICH-THI
FNSL-Blown up	02ALL	2	12G	G10_020		Non Converged Contingency	0	0.13074	-	DBL-FINY-HOL
FNSL-Blown up	02ALL	2	12G	G10_020		Non Converged Contingency	1052	0.13074	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	2	2	12G	G10_020		Non Converged Contingency	0	0.19247	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1195	0.12674	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1195	0.12674	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1792	0.04253	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1792	0.03696	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1328	0.05269	-	HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1328	0.04919	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	717	0.04672	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1195	0.03003	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1792	0.04253	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1051	0.03997	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1195	0.03003	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1792	0.07868	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1792	0.07868	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	956	0.03658	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	0	0.15736	-	DBL-WICH-THI
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	0	0.18464	-	DBL-HTCH-BVR
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	0	0.18464	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	2	12G	G10_020		Non Converged Contingency	1324	0.23479	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	G10_020		Non Converged Contingency	1052	0.13017	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	G10_020		Non Converged Contingency	0	0.15666	-	DBL-WICH-THI
FNSL-Blown up	02ALL	3	12G	G10_020		Non Converged Contingency	0	0.19024	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	3	12G	G10_020		Non Converged Contingency	0	0.13017	-	DBL-FINY-HOL
FNSL-Blown up	02ALL	3	12G	G10_020		Non Converged Contingency	0	0.03884	-	SPP-AEPW-25
FNSL-Blown up	03ALL	3	12G	G10_020		Non Converged Contingency	1792	0.03904	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_020		Non Converged Contingency	0	0.15037	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G10_020		Non Converged Contingency	0	0.15799	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G10_020		Non Converged Contingency	0	0.13714	-	DBL-BVR-WWRD
FDNS	01ALL	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20633	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20402	136.9326	DBL-THIS-WWR
FDNS	02ALL	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1972	135.5058	DBL-THIS-WWR
FDNS	06ALL	0	12G	G10_020	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.39698	131.0732	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2
FDNS	01ALL	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20633	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20633	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	06ALL	0	12G	G10_020	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.39698	128.4194	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2
FDNS	06ALL	0	12G	G10_020	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.38793	127.882	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	06ALL	0	12G	G10_020	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.38793	126.0401	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	12G	G10_020	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20035	118.7202	DBL-THIS-WWR
FDNS	06ALL	0	12G	G10_020	TO->FROM	PLANT X STATION - TOLK STATION WEST 230KV CKT 1	502	0.313	115.8838	PLANT X STATION - TOLK STATION EAST 230KV CKT 2
FDNS	1	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20487	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	06ALL	0	12G	G10_020	TO->FROM	PLANT X STATION - TOLK STATION EAST 230KV CKT 2	502	0.30739	115.0313	PLANT X STATION - TOLK STATION WEST 230KV CKT 1
FDNS	02ALL	0	12G	G10_020	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23458	114.7663	DBL-HTCH-BVR
FDNS	02ALL	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19777	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	2	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1988	112.2028	DBL-THIS-WWR
FDNS	02ALL	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19777	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20487	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	06ALL	0	12G	G10_020	TO->FROM	POTTER COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	351	0.21556	109.3506	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.1972	109.1905	DBL-THIS-WWR
FDNS	1	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20487	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	06ALL	0	12G	G10_020	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.26289	104.2515	DBL-BVR-WWRD
FDNS	2	0	12G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19903	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	06ALL	0	12G	G10_020	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1	351	0.19311	101.2127	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24601	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24601	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24601	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23845	137.7338	DBL-THIS-WWR
FDNS	02ALL	2	12G	G10_020	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.2346	114.6203	DBL-HTCH-BVR
FDNS	2	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24762	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24043	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	G10_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21017	118.6835	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	2	2	12G	G10_029		Non Converged Contingency	0	0.03234	-	DBL-HTCH-BVR	
FNSL-Blown up	2	3	12G	G10_029		Non Converged Contingency	0	0.03173	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	G10_029		Non Converged Contingency	0	0.27645	-	DBL-WICH-THI	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.2773	-	DBL-WICH-THI	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.16777	-	DBL-THIS-WWR	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.44625	-	DBL-THIS-CLR	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.44625	-	DBL-SPRVL-CL	
FNSL-Blown up	3	0	12G	G10_029		Non Converged Contingency	0	0.27744	-	DBL-WICH-THI	
FNSL-Blown up	3	0	12G	G10_029		Non Converged Contingency	0	0.44577	-	DBL-THIS-CLR	
FNSL-Blown up	01ALL	0	12G	G10_029		Non Converged Contingency	1195	0.10546	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1052	0.15642	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1052	0.15642	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	717	0.06755	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1793	0.22313	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1793	0.22313	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1792	0.19925	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1328	0.23112	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1792	0.19925	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G10_029		Non Converged Contingency	1195	0.10546	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.44625	-	DBL-THIS-CLR	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.44625	-	DBL-SPRVL-CL	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.2773	-	DBL-WICH-THI	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1328	0.23112	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1793	0.22313	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1793	0.22313	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1792	0.19925	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1792	0.19925	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	0	0.16777	-	DBL-THIS-WWR	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1052	0.15642	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	1052	0.15642	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03G10_029	0	12G	G10_029		Non Converged Contingency	717	0.06755	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.44509	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.44509	-	DBL-SPRVL-CL	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.27585	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.16793	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.15627	-	DBL-FINY-HOL	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.03446	-	TRF-STEGALL	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	0	0.0318	-	SPP-MKEC-08	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	355.3	0.08541	-	MULLERGREN - SPEARVILLE 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	319	0.06624	-	CIRCLE - MULLERGREN 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	398	0.067	-	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	319	0.05797	-	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	330	0.05797	-	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1195	0.09936	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1052	0.15627	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1052	0.15627	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	717	0.06287	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	717	0.06679	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1793	0.22254	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1793	0.22254	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1195	0.09936	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.19861	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1328	0.23091	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1195	0.0386	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.13792	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	956	0.07345	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	559	0.06688	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1328	0.06238	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.19861	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1328	0.06113	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	956	0.08303	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.12521	-		AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	956	0.05198	-		GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1793	0.22254	-		CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1793	0.22254	-		CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	956	0.04288	-		EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.08396	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1792	0.08396	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G10_029		Non Converged Contingency	1328	0.23091	-		GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	02ALL	2	12G	G10_029		Non Converged Contingency	0	0.26737	-		DBL-WICH-THI
FNSL-Blown up	02ALL	2	12G	G10_029		Non Converged Contingency	0	0.03051	-		DBL-HTCH-BVR
FNSL-Blown up	02ALL	2	12G	G10_029		Non Converged Contingency	0	0.03051	-		DBL-BVR-WWRD
FNSL-Blown up	3	2	12G	G10_029		Non Converged Contingency	0	0.37222	-		DBL-THIS-CLR
FNSL-Blown up	2	2	12G	G10_029		Non Converged Contingency	0	0.03234	-		DBL-BVR-WWRD
FNSL-Blown up	0	2	12SP	G10_029		Non Converged Contingency	0	0.0316	-		TRF-STEGALL
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1195	0.08978	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1195	0.08978	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.08247	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.08247	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1052	0.13918	-		Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1052	0.13918	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.16433	-		G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.11309	-		AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	319	0.04225	-		SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1328	0.05109	-		HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1328	0.20347	-		GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1328	0.05258	-		MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	717	0.05766	-		MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1195	0.15836	-		MULGREN7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.16433	-		G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1051	0.07199	-		JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1195	0.15836	-		MULGREN7 345.00 - RENO COUNTY 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.1037	-		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1792	0.1037	-		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	355.3	0.06659	-		MULLERGREN - SPEARVILLE 230KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1793	0.18598	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	1793	0.18598	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	956	0.06544	-		AXTELL - PAULINE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	956	0.04486	-		GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	717	0.05577	-		GRAND ISLAND - SWEETWATER 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	0	0.2074	-		DBL-WICH-THI
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	0	0.16493	-		DBL-THIS-WWR
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	0	0.37195	-		DBL-THIS-CLR
FNSL-Blown up	03ALL	2	12G	G10_029		Non Converged Contingency	0	0.37195	-		DBL-SPRVL-CL
FNSL-Blown up	3	2	12G	G10_029		Non Converged Contingency	0	0.37222	-		DBL-THIS-CLR
FNSL-Blown up	03G10_029	2	12G	G10_029		Non Converged Contingency	0	0.3725	-		DBL-THIS-CLR
FNSL-Blown up	02ALL	3	12G	G10_029		Non Converged Contingency	0	0.26636	-		DBL-WICH-THI
FNSL-Blown up	02ALL	3	12G	G10_029		Non Converged Contingency	0	0.03399	-		TRF-STEGALL
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	1052	0.12977	-		Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	1052	0.12977	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	1792	0.14581	-		G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	1328	0.18847	-		GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	1793	0.16601	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	1793	0.16601	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	0	0.1701	-		DBL-WICH-THI
FNSL-Blown up	03ALL	3	12G	G10_029		Non Converged Contingency	0	0.33201	-		DBL-THIS-CLR
FNSL-Blown up	03G10_029	3	12G	G10_029		Non Converged Contingency	0	0.33261	-		DBL-THIS-CLR
FNSL-Blown up	02ALL	4	12G	G10_029		Non Converged Contingency	0	0.26191	-		DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G10_029		Non Converged Contingency	0	0.12293	-		DBL-BVR-WWRD
FNSL-Blown up	03ALL	4	12G	G10_029		Non Converged Contingency	0	0.29063	-		DBL-THIS-CLR
FNSL-Blown up	03NR	2	12G	G10_029		Non Converged Contingency	0	0.12107	-		DBL-THIS-CLR
FNSL-Blown up	03NR	3	12G	G10_029		Non Converged Contingency	0	0.10756	-		DBL-THIS-CLR
FDNS	2	2	12G	G10_029	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20541	118.6835		DBL-WICH-THI
FDNS	03NR	2	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.05148	139.0261		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.05148	119.3234		G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	2	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.04665	109.2983		DBL-SPRVL-CL
FDNS	03NR	3	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.04238	116.3678		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.03871	107.794		MULGREN7 345.00 - SPEARVILLE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03NR	2	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.03871	107.5048	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FDNS	03NR	4	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.03855	110.5053	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03NR	2	12G	G10_029	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.0351	110.2151	DBL-WICH-THI	
FNSL-Blown up	3	0	12G	G10_056		Non Converged Contingency	0	0.03529	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	0	0.09273	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	0	0.06095	-	DBL-FINY-HOL	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	0	0.03461	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	0	0.03461	-	DBL-SPRVL-CL	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	1052	0.06095	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	1052	0.06095	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	559	0.04757	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	956	0.05978	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	1195	0.03709	-	ROSE HILL - WOLF CREEK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	1051	0.04158	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	1792	0.04636	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_056		Non Converged Contingency	1792	0.04636	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	3	2	12G	G10_056		Non Converged Contingency	0	0.03972	-	DBL-THIS-CLR	
FNSL-Blown up	3	2	12G	G10_056		Non Converged Contingency	0	0.03374	-	ATC_B2_8E2	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	1792	0.04648	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	1792	0.04648	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	1052	0.06207	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	1052	0.06207	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	0	0.09296	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	0	0.03945	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	2	12G	G10_056		Non Converged Contingency	0	0.03945	-	DBL-SPRVL-CL	
FNSL-Blown up	3	2	12G	G10_056		Non Converged Contingency	0	0.03972	-	DBL-THIS-CLR	
FNSL-Blown up	3	2	12G	G10_056		Non Converged Contingency	0	0.03374	-	ATC_B2_8E2	
FNSL-Blown up	03ALL	3	12G	G10_056		Non Converged Contingency	1052	0.06254	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G10_056		Non Converged Contingency	1052	0.06254	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G10_056		Non Converged Contingency	0	0.04181	-	DBL-THIS-CLR	
FNSL-Blown up	3	3	12G	G10_056		Non Converged Contingency	0	0.03377	-	ATC_B2_8E2	
FNSL-Blown up	3	0	12G	G10_057		Non Converged Contingency	0	0.05728	-	DBL-THIS-CLR	
FNSL-Blown up	01ALL	0	12G	G10_057		Non Converged Contingency	1195	0.05175	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G10_057		Non Converged Contingency	1195	0.05175	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	0	0.14411	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	0	0.06961	-	DBL-FINY-HOL	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	0	0.0566	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	0	0.0566	-	DBL-SPRVL-CL	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1195	0.04564	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1052	0.06961	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1052	0.06961	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1195	0.04564	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1328	0.06895	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1195	0.03222	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	956	0.03545	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	559	0.05287	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	956	0.11353	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1792	0.07389	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1792	0.07205	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1792	0.07205	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G10_057		Non Converged Contingency	1328	0.06895	-	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	3	2	12G	G10_057		Non Converged Contingency	0	0.08619	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1195	0.04966	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1195	0.04966	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1792	0.07267	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1792	0.07267	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1052	0.07645	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1052	0.07645	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1792	0.07916	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1328	0.07991	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1051	0.14145	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1793	0.04296	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	1793	0.04296	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	956	0.03888	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	717	0.03035	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	0	0.14535	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	0	0.08593	-	DBL-THIS-CLR	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	03ALL	2	12G	G10_057		Non Converged Contingency	0	0.08593	-	DBL-SPRVL-CL
FNSL-Blown up	3	2	12G	G10_057		Non Converged Contingency	0	0.08619	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	3	12G	G10_057		Non Converged Contingency	1052	0.08002	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_057		Non Converged Contingency	1052	0.08002	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_057		Non Converged Contingency	1328	0.08574	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_057		Non Converged Contingency	1793	0.05078	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G10_057		Non Converged Contingency	1793	0.05078	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	3	12G	G10_057		Non Converged Contingency	0	0.10156	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	4	12G	G10_057		Non Converged Contingency	0	0.07911	-	DBL-THIS-CLR
FNSL-Blown up	00NR	3	12SP	G10_057		Non Converged Contingency	0	0.06789	-	DBL-THIS-CLR
FDNS	11ALL	0	12G	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	100	1	190.4689	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11G10_057	0	12G	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	100	1	190.1417	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11	0	12G	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	100	1	144.7519	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11ALL	0	12G	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	104.6375	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11G10_057	0	12G	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	104.5101	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	03ALL	0	12G	G10_057	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20679	102.9042	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	11ALL	2	12G	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	119.9924	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11ALL	2	12G	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	104.8192	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00G10_057	2	12SP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	115.4075	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00G10_057	2	12WP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	120.1417	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00G10_057	2	12WP	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	106.3549	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00G10_057	2	17SP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	115.0187	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00G10_057	2	17WP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	120.2341	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00G10_057	2	17WP	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	105.9283	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	03ALL	2	12G	G10_057	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20159	111.7619	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	4	12G	G10_057	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19384	111.863	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	4	12G	G10_057	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19384	109.5175	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	03ALL	4	12G	G10_057	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19384	104.9449	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	2	17WP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	121.1026	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00NR	2	12WP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	120.9529	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11NR	2	12G	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	119.8477	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00NR	2	12SP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	115.9769	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00NR	2	17SP	G10_057	TO->FROM	LYONS - RICE_CO 115KV CKT 1	159	1	115.6041	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00NR	2	12WP	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	106.8937	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00NR	2	17WP	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	106.5	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	11NR	2	12G	G10_057	FROM->TO	LYONS - WHEATLAND 115KV CKT 1	159	1	104.7309	CIRCLE - RICECO 230.00 230KV CKT 1
FDNS	00NR	2	17WP	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.03303	100.2215	DBL-WICH-THI
FDNS	00NR	3	17WP	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.03303	100.1775	DBL-WICH-THI
FDNS	00NR	3	12WP	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.03248	105.674	DBL-WICH-THI
FDNS	00NR	2	12WP	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.03248	105.6654	DBL-WICH-THI
FDNS	00NR	3	12WP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.07211	126.5446	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	12WP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.07211	126.5135	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	17SP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.0842	125.4327	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	17SP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.0842	125.3867	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	11NR	3	12G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.08382	116.5888	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	11NR	3	12G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.08382	116.5834	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	17WP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.07524	115.2059	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	17WP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.07524	115.1954	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.08856	113.8248	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.08856	113.7796	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	00NR	3	12WP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.04754	108.1564	DBL-WICH-THI
FDNS	00NR	3	12WP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.04754	107.7465	DBL-WICH-THI
FDNS	00NR	3	17SP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.05735	102.339	DBL-WICH-THI
FDNS	00NR	3	17SP	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.05735	102.0924	DBL-WICH-THI
FNSL-Blown up	2	0	12G	G10_058		Non Converged Contingency	0	0.18586	-	DBL-HTCH-BVR
FNSL-Blown up	2	0	12G	G10_058		Non Converged Contingency	0	0.18586	-	DBL-BVR-WWRD
FNSL-Blown up	2	2	12G	G10_058		Non Converged Contingency	0	0.19291	-	DBL-HTCH-BVR
FNSL-Blown up	2	3	12G	G10_058		Non Converged Contingency	0	0.1925	-	DBL-BVR-WWRD
FNSL-Blown up	01ALL	0	12G	G10_058		Non Converged Contingency	0	0.1925	-	DBL-THIS-WWR
FNSL-Blown up	02ALL	0	12G	G10_058		Non Converged Contingency	0	0.17057	-	DBL-WICH-THI
FNSL-Blown up	02ALL	0	12G	G10_058		Non Converged Contingency	0	0.18409	-	DBL-HTCH-BVR
FNSL-Blown up	02ALL	0	12G	G10_058		Non Converged Contingency	0	0.18409	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	0	12G	G10_058		Non Converged Contingency	0	0.13464	-	DBL-FINY-HOL
FNSL-Blown up	3	0	12G	G10_058		Non Converged Contingency	0	0.17156	-	DBL-WICH-THI
FNSL-Blown up	06ALL	0	12G	G10_058		Non Converged Contingency	0	0.06232	-	DBL-HTCH-BVR
FNSL-Blown up	01ALL	0	12G	G10_058		Non Converged Contingency	1195	0.13456	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	12G	G10_058		Non Converged Contingency	1052	0.13464	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	02ALL	0	12G	G10_058		Non Converged Contingency	1324	0.23163	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G10_058		Non Converged Contingency	1195	0.13456	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	0	0.18721	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	0	0.18721	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	0	0.16997	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1195	0.12846	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	717	0.04835	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1195	0.12846	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.04911	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1195	0.04364	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.08498	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1328	0.05102	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.04911	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1328	0.0546	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1324	0.23503	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.03897	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	956	0.03785	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1052	0.23503	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	956	0.04945	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1052	0.23503	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.0936	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	1792	0.0936	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G10_058		Non Converged Contingency	0	0.12452	-	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G10_058		Non Converged Contingency	0	0.19108	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	2	12G	G10_058		Non Converged Contingency	0	0.19108	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	G10_058		Non Converged Contingency	0	0.15753	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	2	12G	G10_058		Non Converged Contingency	0	0.13085	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G10_058		Non Converged Contingency	1052	0.13085	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	2	2	12G	G10_058		Non Converged Contingency	0	0.19291	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1195	0.12679	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1195	0.12679	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1792	0.04254	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1792	0.03697	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1328	0.05272	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1328	0.04922	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	717	0.04675	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1195	0.03005	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1792	0.04254	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1051	0.03997	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1195	0.03005	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1792	0.0787	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1792	0.0787	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	956	0.0366	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	0	0.1574	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	0	0.18506	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	0	0.18506	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G10_058		Non Converged Contingency	1324	0.23448	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G10_058		Non Converged Contingency	1052	0.13027	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G10_058		Non Converged Contingency	0	0.15671	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G10_058		Non Converged Contingency	0	0.19066	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	3	12G	G10_058		Non Converged Contingency	0	0.13027	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	3	12G	G10_058		Non Converged Contingency	0	0.0389	-	SPP-AEPW-25	
FNSL-Blown up	03ALL	3	12G	G10_058		Non Converged Contingency	1792	0.03905	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G10_058		Non Converged Contingency	0	0.15041	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G10_058		Non Converged Contingency	0	0.15804	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G10_058		Non Converged Contingency	0	0.13753	-	DBL-BVR-WWRD	
FDNS	01ALL	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20629	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20408	136.9326	DBL-THIS-WWR	
FDNS	02ALL	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19726	135.5058	DBL-THIS-WWR	
FDNS	06ALL	0	12G	G10_058	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.39635	131.0732	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20629	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20629	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	06ALL	0	12G	G10_058	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.39635	128.4194	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2	
FDNS	06ALL	0	12G	G10_058	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.38732	127.882	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	06ALL	0	12G	G10_058	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.38732	126.0401	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G10_058	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20047	118.7202	DBL-THIS-WWR	
FDNS	06ALL	0	12G	G10_058	TO->FROM	PLANT X STATION - TOLK STATION WEST 230KV CKT 1	502	0.31664	115.8838	PLANT X STATION - TOLK STATION EAST 230KV CKT 2	
FDNS	1	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20483	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	06ALL	0	12G	G10_058	TO->FROM	PLANT X STATION - TOLK STATION EAST 230KV CKT 2	502	0.31104	115.0313	PLANT X STATION - TOLK STATION WEST 230KV CKT 1	
FDNS	02ALL	0	12G	G10_058	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23493	114.7663	DBL-HTCH-BVR	
FDNS	02ALL	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19773	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	2	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19886	112.2028	DBL-THIS-WWR	
FDNS	02ALL	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19773	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20483	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	06ALL	0	12G	G10_058	TO->FROM	POTTER COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	351	0.21601	109.3506	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.19726	109.1905	DBL-THIS-WWR	
FDNS	1	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20483	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	06ALL	0	12G	G10_058	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.2626	104.2515	DBL-BVR-WWRD	
FDNS	2	0	12G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19899	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	06ALL	0	12G	G10_058	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1	351	0.19297	101.2127	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24596	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24596	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24596	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23852	137.7338	DBL-THIS-WWR	
FDNS	02ALL	2	12G	G10_058	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23494	114.6203	DBL-HTCH-BVR	
FDNS	2	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24757	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	2	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2405	112.6262	DBL-THIS-WWR	
FDNS	2	2	12G	G10_058	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21026	118.6835	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_007		Non Converged Contingency	1195	0.04645	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_007		Non Converged Contingency	956	0.04687	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL	01ALL	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.38324	103.3303	DBL-WICH-THI	
FDNS	02ALL	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.58962	114.0742	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.53641	130.2276	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01G11_007	2	12G	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.54088	140.1831	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01G11_007	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.59507	123.9901	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01ALL	2	12G	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.54328	155.4818	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.5976	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01ALL	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.39109	107.8074	DBL-THIS-WWR	
FDNS	01ALL	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.48469	104.6269	MATTHEWSON 345.00 - WOODRING 345KV CKT 1	
FDNS	2	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.58955	103.6827	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	2	2	12G	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.53615	119.0314	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	1	2	12G	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.54078	137.4671	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	1	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.59496	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	00NR	2	17SP	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.70494	100.7783	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	00NR	2	17WP	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.69163	107.197	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	00NR	2	12WP	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.68752	109.9621	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01NR	2	12G	G11_007	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.68564	128.5224	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	00NR	2	12SP	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.64309	109.7871	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17SP	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.63314	117.4066	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17WP	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.61985	121.8956	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	12WP	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.617	126.2686	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01NR	2	12G	G11_007	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.61489	144.6544	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.07462	112.555	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.07462	110.3883	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.07229	103.1276	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.07229	101.1441	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.06899	110.2888	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.06899	108.1452	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_007	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.06684	101.0189	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	2	12WP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.05544	100.9436	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.05241	100.5956	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_008		Non Converged Contingency	0	0.33083	-	DBL-WICH-THI	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	0	0.33224	-	DBL-WICH-THI	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	0	0.55194	-	DBL-THIS-CLR	
FNSL-Blown up	3	0	12G	G11_008		Non Converged Contingency	0	0.33181	-	DBL-WICH-THI	
FNSL-Blown up	3	0	12G	G11_008		Non Converged Contingency	0	0.55095	-	DBL-THIS-CLR	
FNSL-Blown up	01ALL	0	12G	G11_008		Non Converged Contingency	1195	0.10881	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	1052	0.12073	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	1792	0.16397	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	1328	0.18774	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_008		Non Converged Contingency	1195	0.10881	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	0	0.55194	-	DBL-THIS-CLR	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	0	0.33224	-	DBL-WICH-THI	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	1328	0.18774	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	1792	0.16397	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03G11_008	0	12G	G11_008		Non Converged Contingency	1052	0.12073	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	0	0.55027	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	0	0.33022	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	0	0.20686	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	0	0.12048	-	DBL-FINY-HOL	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	355.3	0.06793	-	MULLERGREN - SPEARVILLE 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	319	0.05123	-	CIRCLE - MULLERGREN 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	398	0.05244	-	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	319	0.04514	-	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	330	0.04514	-	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1195	0.1027	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1052	0.12048	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1052	0.12048	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	717	0.05411	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	717	0.05794	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1793	0.27513	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1793	0.27513	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1195	0.1027	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16292	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1328	0.18738	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1195	0.0456	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16511	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	956	0.06301	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	559	0.06442	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1328	0.05387	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.16292	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1328	0.05293	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	956	0.08722	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.10749	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	956	0.0451	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	956	0.05396	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.10343	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1792	0.10343	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_008		Non Converged Contingency	1328	0.18738	-	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_008		Non Converged Contingency	0	0.32145	-	DBL-WICH-THI	
FNSL-Blown up	3	2	12G	G11_008		Non Converged Contingency	0	0.49389	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1195	0.09531	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1195	0.09531	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.10227	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.10227	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1052	0.10725	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1052	0.10725	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.1363	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.09816	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	319	0.03299	-	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1328	0.04515	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1328	0.16612	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1328	0.04628	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	717	0.0509	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1195	0.12287	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.1363	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1051	0.06776	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1195	0.12287	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.13862	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1792	0.13862	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	355.3	0.05321	-	MULLEREGREN - SPEARVILLE 230KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1793	0.24682	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	1793	0.24682	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	956	0.05685	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	956	0.03961	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	717	0.04864	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	0	0.27723	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	0	0.20455	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	2	12G	G11_008		Non Converged Contingency	0	0.49363	-	DBL-THIS-CLR	
FNSL-Blown up	3	2	12G	G11_008		Non Converged Contingency	0	0.49389	-	DBL-THIS-CLR	
FNSL-Blown up	03G11_008	2	12G	G11_008		Non Converged Contingency	0	0.49474	-	DBL-THIS-CLR	
FNSL-Blown up	02ALL	3	12G	G11_008		Non Converged Contingency	0	0.32043	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	1052	0.09993	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	1052	0.09993	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	1792	0.12194	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	1328	0.15448	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	1793	0.23132	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	1793	0.23132	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	0	0.24832	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	3	12G	G11_008		Non Converged Contingency	0	0.46264	-	DBL-THIS-CLR	
FNSL-Blown up	02ALL	4	12G	G11_008		Non Converged Contingency	0	0.31706	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_008		Non Converged Contingency	0	0.07195	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	4	12G	G11_008		Non Converged Contingency	0	0.43107	-	DBL-THIS-CLR	
FDNS	03ALL	0	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19002	102.9042	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	2	2	12G	G11_008	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22612	118.6835	DBL-WICH-THI	
FDNS	03ALL	2	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20035	111.7619	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03ALL	3	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20577	115.7912	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03ALL	3	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20577	113.4258	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	03ALL	3	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20577	109.0672	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	3	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.21337	102.1663	DBL-THIS-WWR	
FDNS	03ALL	4	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19922	111.863	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03ALL	4	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19922	109.5175	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	03ALL	4	12G	G11_008	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19922	104.9449	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_010		Non Converged Contingency	0	0.04297	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	0	12G	G11_010		Non Converged Contingency	1195	0.04046	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_010		Non Converged Contingency	956	0.04116	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	2	0	12G	G11_012		Non Converged Contingency	0	0.45896	-	DBL-HTCH-BVR	
FNSL-Blown up	2	0	12G	G11_012		Non Converged Contingency	0	0.45896	-	DBL-BVR-WWRD	
FNSL-Blown up	2	2	12G	G11_012		Non Converged Contingency	0	0.46865	-	DBL-HTCH-BVR	
FNSL-Blown up	2	3	12G	G11_012		Non Converged Contingency	0	0.46803	-	DBL-BVR-WWRD	
FNSL-Blown up	01ALL	0	12G	G11_012		Non Converged Contingency	0	0.21021	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	G11_012		Non Converged Contingency	0	0.21449	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	G11_012		Non Converged Contingency	0	0.45719	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	0	12G	G11_012		Non Converged Contingency	0	0.45719	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	G11_012		Non Converged Contingency	0	0.21011	-	DBL-FINY-HOL	
FNSL-Blown up	02G11_012	0	12G	G11_012		Non Converged Contingency	0	0.4589	-	DBL-BVR-WWRD	
FNSL-Blown up	3	0	12G	G11_012		Non Converged Contingency	0	0.21547	-	DBL-WICH-THI	
FNSL-Blown up	06ALL	0	12G	G11_012		Non Converged Contingency	0	0.1536	-	DBL-HTCH-BVR	
FNSL-Blown up	01ALL	0	12G	G11_012		Non Converged Contingency	1195	0.18057	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_012		Non Converged Contingency	1052	0.21011	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02G11_012	0	12G	G11_012		Non Converged Contingency	395	0.05888	-	STATELINE INTERCHANGE - STLN-DEMAR6 230KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_012		Non Converged Contingency	1324	0.08173	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02G11_012	0	12G	G11_012		Non Converged Contingency	1052	0.08342	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_012		Non Converged Contingency	1195	0.18057	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	0	0.4603	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	0	0.4603	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	0	0.21388	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1195	0.17447	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	717	0.03837	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	717	0.06721	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1195	0.17447	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.06231	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1195	0.04444	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATE		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.10694	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	956	0.03769	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1328	0.07202	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.06231	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1328	0.07686	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1324	0.08513	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.04665	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	956	0.05264	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1052	0.08513	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	956	0.05109	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1052	0.08513	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.23015	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	1792	0.23015	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_012		Non Converged Contingency	0	0.30617	-	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FNSL-Blown up	02G11_012	2	12G	G11_012		Non Converged Contingency	0	0.46858	-	DBL-HTCH-BVR	
FNSL-Blown up	02G11_012	2	12G	G11_012		Non Converged Contingency	0	0.46858	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	G11_012		Non Converged Contingency	0	0.46683	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	2	12G	G11_012		Non Converged Contingency	0	0.46683	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	G11_012		Non Converged Contingency	0	0.20487	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G11_012		Non Converged Contingency	1052	0.20487	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_012		Non Converged Contingency	0	0.19645	-	DBL-WICH-THI	
FNSL-Blown up	2	2	12G	G11_012		Non Converged Contingency	0	0.46865	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1195	0.17192	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1195	0.17192	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1792	0.05266	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1792	0.04353	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1328	0.07407	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1328	0.06934	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	717	0.06477	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1195	0.04429	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1792	0.05266	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1051	0.04526	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1195	0.04429	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1792	0.09756	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1792	0.09756	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	956	0.0356	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	956	0.05074	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	717	0.03651	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	0	0.19512	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	0	0.45707	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	0	0.45707	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_012		Non Converged Contingency	1324	0.08424	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_012		Non Converged Contingency	1052	0.20414	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_012		Non Converged Contingency	0	0.19546	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_012		Non Converged Contingency	0	0.46619	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	3	12G	G11_012		Non Converged Contingency	0	0.20414	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	3	12G	G11_012		Non Converged Contingency	0	0.03493	-	SPP-AEPW-25	
FNSL-Blown up	02ALL	3	12G	G11_012		Non Converged Contingency	0	0.03359	-	SPP-SWPS-T66	
FNSL-Blown up	02G11_012	3	12G	G11_012		Non Converged Contingency	0	0.46797	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	3	12G	G11_012		Non Converged Contingency	1792	0.0475	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_012		Non Converged Contingency	0	0.18476	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_012		Non Converged Contingency	0	0.19647	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_012		Non Converged Contingency	0	0.38632	-	DBL-BVR-WWRD	
FNSL-Blown up	02NR	2	12G	G11_012		Non Converged Contingency	0	0.24068	-	DBL-BVR-WWRD	
FNSL-Blown up	02NR	3	12G	G11_012		Non Converged Contingency	0	0.24158	-	DBL-BVR-WWRD	
FNSL	02G11_012	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24856	106.6273	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22027	104.0475	SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2195	104.0029	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.0774	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.0195	SPP-WERE-07C	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.8493	GEN523277 1-VALERO SUB	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.3372	GEN560584 1-G06-44-1 0.6000	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.8321	GEN527162 1-MUSTANG GEN #2	
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.4316	GEN527161 1-MUSTANG GEN #1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.338	GEN527902 1-HOBBS PLANT #2 (CT)
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.3231	GEN527901 1-HOBBS PLANT #1 (CT)
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.0465	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FNSL	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	100.301	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS-CHECK-TC-I	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22055	104.5	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2195	104.1	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21898	103.8	NORTH MEMPHIS REC - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21898	103.8	MEMPHIS - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21898	103.8	SPP-AEPW-25
FDNS-CHECK-TC-I	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.7	GEN524286 1-CLR 3 0.6900
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20071	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20071	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20723	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25548	136.9326	DBL-THIS-WWR
FDNS	02ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24865	135.5058	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19306	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19306	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23307	132.8871	DBL-WICH-THI
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21488	132.853	DBL-FINY-HOL
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21488	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20723	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21488	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20723	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	127.8444	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19072	127.0195	SPP-SWPS-03
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	126.2478	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	126.2456	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	126.245	SPP-SWPS-02
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19044	125.9537	SPP-SWPS-02A
FDNS	01ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19334	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.28106	118.7202	DBL-THIS-WWR
FDNS	02G11_012	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22776	116.3914	DBL-WICH-THI
FDNS	2	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2278	115.8542	DBL-WICH-THI
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20576	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.45917	114.7663	DBL-HTCH-BVR
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19954	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19954	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_012	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2502	112.7406	DBL-THIS-WWR
FDNS	02ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19866	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.39508	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.39508	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25026	112.2028	DBL-THIS-WWR
FDNS	02ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19866	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19178	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19178	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21373	109.8276	DBL-FINY-HOL
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20576	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24865	109.1905	DBL-THIS-WWR
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20576	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19393	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19393	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21373	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21373	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20801	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	1	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19202	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS	02G11_012	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19988	103.4935	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	0	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19993	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.24395	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.24395	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_012	0	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.46185	100.3	DBL-HTCH-BVR
FDNS	02G11_012	2	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.46186	100.1736	DBL-HTCH-BVR
FDNS	02G11_012	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30271	113.3331	DBL-THIS-WWR
FDNS	02G11_012	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28036	119.3448	DBL-WICH-THI
FDNS	02ALL	2	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.45918	114.6203	DBL-HTCH-BVR
FDNS	02ALL	2	12G	G11_012	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.40273	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_012	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.40273	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30081	137.7338	DBL-THIS-WWR
FDNS	02ALL	2	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.2636	102.8524	DBL-THIS-WWR
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26065	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24702	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24702	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24702	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24116	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24116	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23979	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23979	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23285	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23285	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23028	109.6189	SPP-SWPS-03
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	110.3459	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	108.3395	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	108.3221	SPP-SWPS-02
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	108.3164	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22996	108.0119	SPP-SWPS-02A
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22683	107.6311	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22613	107.4672	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22603	109.2528	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22603	108.7863	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22571	107.4642	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22571	106.6161	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22515	107.5531	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22482	106.3317	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22465	106.1385	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22437	107.5733	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22437	107.1372	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22437	106.7023	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22352	107.3012	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22352	106.7701	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22333	105.8393	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22316	105.7136	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22316	105.6437	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22223	105.8184	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22223	105.7178	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22214	105.9181	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22214	105.8546	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22205	104.6575	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22201	105.566	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22171	104.7673	BENTON - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22157	105.0658	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22157	105.0201	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22147	104.6476	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22118	105.2878	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22118	105.2447	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22115	104.8053	DOVER SW - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22078	106.8314	G08-13T 345.00 - WOODRICO 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22078	105.9355	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22078	104.131	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22064	103.8966	OGE3TERM1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22059	104.5704	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22059	104.5627	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22048	104.4089	CIMARRON - MINCO 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22048	103.8824	GRACEMONT - MINCO 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22046	103.9665	DOVER SW - HENESSEY 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22046	103.9073	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22046	103.8669	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22032	104.1574	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22029	104.3844	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22029	104.2662	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22029	104.224	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22029	104.0166	Canadian Pump Station - JENSEN ROAD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22028	104.4864	CANEYRV7 345.00 - NIOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22028	104.3666	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22028	104.0843	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22027	103.9837	CARNEGIE - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22027	103.9505	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22014	103.8365	OGE3TERM10
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.3476	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.3207	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.3009	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.2966	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.2879	SPP-SWPS-T54
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.1424	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.1332	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.0407	HOLLIS TAP - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.22009	104.0119	CHILDRESS - HOLLIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21993	103.7534	JENSEN ROAD - JENSEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21986	104.6505	SPP-MKEC-08
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21986	103.9286	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21985	103.9503	LAKE PAULINE - RUSSELL 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21983	104.1049	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21982	104.398	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21977	104.308	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21976	104.7225	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21975	104.7991	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21974	104.5556	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21974	104.2642	MOORE - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21973	104.3118	SPP-WEPL-03
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21973	104.3118	SPP-WERE-34
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21973	104.3085	SPP-MKEC-05
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21973	104.2917	SPP-WEPL-03A
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21973	104.1643	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21973	103.8816	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21967	103.9142	CLINTON - G07-32T 138.00 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21967	103.8949	CLINTON - WEATHERFORD 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21967	103.8651	HYDRO - WEATHERFORD 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21967	103.8304	HYDRO - SICKLES 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21967	103.7673	BINGER NIJECT - SICKLES 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21958	104.8162	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21958	104.3811	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21954	104.0313	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2195	103.9447	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21941	104.0457	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2194	104.0604	CONWAY SUB - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2194	104.0556	NICHOLS STATION - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2194	103.995	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2194	103.9825	SPP-SWPS-T53
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2194	103.9229	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21936	104.3192	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21936	104.3001	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21936	104.2738	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21936	103.9855	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21933	103.7533	CIMARRON - EL RENO 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21929	103.8168	KNOBHILL - SALINE 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21929	103.7875	HELENA TAP - SALINE 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21929	103.7203	GOLTRY - HELENA TAP 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21928	102.6272	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21921	103.7685	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21907	103.9039	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21907	103.7569	MCCOOL - MOORE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21903	103.8346	CANTON - TALOGA 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21903	103.8013	CANTON - OKEENE 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21903	103.7769	OKEENE - WATONGA SW 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.219	104.1986	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21897	104.2661	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21897	103.0012	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21895	104.0282	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21894	104.564	WRTOD400

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21893	104.0123	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21893	103.9576	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21893	103.82	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21891	104.5137	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21891	102.7526	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21889	103.7381	MARSHALL - WOODRING 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21889	103.7315	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21883	103.9379	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21881	104.2693	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21881	104.2301	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.8103	PUTNAM - TALOGA 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.7888	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.7883	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.7871	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.7568	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.1494	SPP-WERE-07
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.1336	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.1162	OGE3TERM7
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.0421	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	103.042	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21879	102.9827	SPP-WERE-07B
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21878	103.9061	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21875	103.8466	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21871	103.8803	BROOKLINE - MORGAN 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2187	103.7749	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2187	103.1423	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21867	103.7122	MCADAMS - WOLF CREEK 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21866	103.7434	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21866	103.7233	CHISHOLM - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21864	103.7509	STEGALL - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21862	103.7563	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21862	102.9629	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2186	103.7823	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2186	103.7757	AI43
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2186	103.7715	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21859	103.7401	MORISINT4 138.00 - STILLWATER 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21858	104.9416	LACYGNE - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21857	103.9436	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21857	102.7584	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21855	102.9679	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21855	102.9647	AMRN_OUT55
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21855	102.8196	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21854	103.9192	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21854	103.7319	KCPL-OPGD06A
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21853	103.8247	BDANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	110.4511	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	109.9425	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	109.5694	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	109.0677	GEN335831 1-RIVERBEND UNIT#1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	108.5684	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	107.8155	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	107.6395	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	107.5807	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	107.514	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	107.4369	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.9723	GEN520947 1-HUGO1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.9662	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.9658	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.9292	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.8507	GEN501813 1-RODEMACHER UNIT 3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.809	GEN337041 1-GERALD ANDRUS
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.8081	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.7027	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.5528	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.4405	GEN336831 1-BAXTER WILSON SES
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.4152	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.3717	GEN335206 1-NELSON UNIT 6

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.3683	GEN338388 1-1PLUMPT	23.000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.2741	GEN509406 1-WELSH #3	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.274	GEN509405 1-WELSH #2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.2739	GEN509404 1-WELSH #1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.265	GEN515042 1-SEMINOLE 3G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.2365	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.236	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.2125	GEN335204 1-NELSON UNIT 4	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.1983	GEN512688 2-GRDA1 GSU2 22	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.1849	GEN334440 1-SABINE UNIT 4	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	106.066	GEN509394 1-FLINT CREEK	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.9573	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.8589	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.8064	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.8057	GEN334441 1-SABINE UNIT 5	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.7618	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.6393	GEN512689 1-GRDA1 GSU1 22	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.5164	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.4381	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.388	GEN515041 1-SEMINOLE 2G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.3763	GEN562010 1-G11_024_3 0.6900	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.3302	GEN560175 1-G07-44 0.5750	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	105.0646	GEN336170 1-GULF OXY U4	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.989	GEN515040 1-SEMINOLE 1G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.9197	GEN515449 1-CRSRDW11 34.500	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.9178	GEN514910 2-REDBUD GEN	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.9178	GEN514911 2-REDBUD GEN	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.8708	GEN514942 2-REDBUD4G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.8672	GEN300006 1-NEW MADRID UNIT 1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.8588	GEN300007 1-NEW MADRID UNIT 2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.7891	GEN334070 1-LEWIS CREEK 1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.765	GEN334071 1-LEWIS CREEK 2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.7402	GEN560648 1-G07-21 0.5750	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.7359	GEN514905 1-REDBUD3S	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.7347	GEN514899 1-REDBUD1S	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.7102	GEN514900 1-REDBUD2S	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.6344	GEN501823 1-TECHE UNIT 3	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.6022	GEN511938 1-OEC STEAM # 1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.5954	GEN334432 1-SABINE UNIT 2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.5953	GEN334431 1-SABINE UNIT 1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.5203	GEN501910 1-ACADIA UNIT ST1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.5089	GEN549893 2-SOUTHWEST 2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4736	GEN334030 1-FRONTIER UNIT 1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4736	GEN334031 1-FRONTIER UNIT 2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4585	GEN560636 1-ASGI-10-06 0.6900	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4541	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4541	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4441	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.4055	GEN505432 1-SIKESTON	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.3661	GEN318007 1-5MOROW161 161.00	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.3288	GEN337428 1-PERVILLE UNIT #1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.3288	GEN337430 1-PERVILLE UNIT #3	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.3046	GEN337429 1-PERVILLE UNIT #2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.3032	GEN337432 1-PERVILLE UNIT #5	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2909	GEN337125 6-LS POWER BATESVILLE	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2824	GEN337006 1-DUKE MCADAMS G1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2824	GEN337007 1-DUKE MCADAMS G2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2819	GEN335203 1-NELSON UNIT 3	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2752	GEN515266 1-AES 1G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2752	GEN515267 1-AES 2G	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2645	GEN337008 1-DUKE MCADAMS S1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2548	GEN547649 1-ASBURY UNIT #1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.247	GEN501911 1-ACADIA UNIT CT1A	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.247	GEN501912 1-ACADIA UNIT CT1B	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2382	GEN336167 1-GULF OXY U1	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2382	GEN336168 1-GULF OXY U2	
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2382	GEN336169 1-GULF OXY U3	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2352	GEN336944 1-REX BROWN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2324	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2324	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2286	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.219	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2176	GEN542955 1-LACYGNE UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2101	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2074	GEN335075 1-DYNEGY#1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2074	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2057	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.2056	GEN335570 1-CARVILLE CTG
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.1866	GEN335572 1-CARVILLE STG
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.178	GEN560687 1-G11-007 0.5750
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.1711	GEN338500 1-MCCLELLAN UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.1702	GEN560323 1-G10-40 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.1638	GEN520812 1-ANADRK5
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.1637	GEN514912 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0973	GEN511851 1-COMANCHE #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0826	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0649	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0319	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0312	GEN335201 1-NELSON UNIT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0228	GEN520813 1-ANADRK6
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0171	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	104.0034	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9954	GEN334456 1-CONOCO UNIT#1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9917	GEN338510 1-1S1KNWRI
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9917	GEN338511 1-1C7KNWRI
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9867	GEN520811 1-ANADRK4
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9857	GEN503900 1-FITZHUGH CT1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9677	GEN511843 1-RIVERSIDE STATION #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9637	GEN335202 1-NELSON UNIT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9567	GEN506749 1-EASTMAN GENERATION A
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9496	GEN509409 1-WILKES #3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9374	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9287	GEN560169 1-G08-13 0.5750
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9085	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9082	GEN337124 5-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.9031	GEN547656 1-STATE LINE UNIT #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8844	GEN335137 C4-PPG
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8824	GEN300016 1-1G1GPDEL 18.000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8824	GEN300017 1-1G2GPDEL 18.000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.879	GEN509408 1-WILKES #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8754	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8715	GEN521214 1-BLUCAN2 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8634	GEN511852 1-COMANCHE #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8537	GEN334467 1-DUPONT UNIT#1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8518	GEN511853 1-COMANCHE #3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8511	GEN500915 3-WESTERN KRAFT
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8349	GEN334335 1-TOLEDO BEND
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.8213	GEN335546 3-DOW COGEN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.797	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.797	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7947	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7947	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7947	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7947	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7869	GEN335644 1-EXXON UNITS
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7685	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.765	GEN560118 1-G08-46 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.7647	GEN337054 1-GREENWOOD
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.4381	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.4378	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.4377	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.4337	BASE CASE
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.4337	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.2979	GEN599891 1-OKLAUN

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.1603	GEN560694 1-G11-008-2 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.1601	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.1061	GEN560238 1-G10-09 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0913	GEN531493 1-CNTRLPLWG1 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.09	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0896	GEN523815 1-LLANO ESTACADO WIND GEN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0811	GEN523160 1-DWS FRISCO
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0811	GEN539945 1-FLATRWDWG1 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0783	GEN524485 1-CAPROCK WIND GEN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0746	GEN560432 1-G08-124 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0718	GEN560659 1-G07-38 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0695	GEN560356 1-G10-53 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0693	GEN560693 1-G11-008-1 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0633	GEN562035 1-G11_016_3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0542	GEN560549 1-G06-06 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0421	GEN560180 1-G07-51 0.6000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0421	GEN560209 1-G07-40 0.5750
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0272	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	103.0081	GEN515397 1-OUSPR1 1 34.500
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.9837	GEN562032 1-G11_017_3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.9829	GEN560522 1-G05-12 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.9747	GEN515364 1-CENT 11 0.6000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.9367	GEN522814 1-LUBBOCK POWER & LIGHT-MACKENZIE GEN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.9199	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.9147	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.8917	GEN560173 1-G08-17 0.5750
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.8835	GEN562014 1-G11_023_3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.8722	GEN539677 3-A. M. MULLERGEN GENERATOR
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.8545	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.8225	GEN515393 1-OGEWND2G
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.6946	GEN560170 1-G08-16 34.500
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.6933	GEN560595 1-G06-47 0.6000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.6921	GEN560592 1-G06-45 0.6000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.5838	GEN560279 1-G08-18 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.5241	GEN560105 1-G08-22 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.5013	GEN560221 1-G07-62-1 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.5013	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.484	GEN560223 1-G07-62-3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.484	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.4699	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.4378	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.3919	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.3771	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.3418	GEN560359 1-G08-51 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.2814	GEN560187 1-G10-07 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.2562	GEN523926 1-MAJESTIC WIND
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.2106	GEN560166 1-G07-48 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.1479	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.1479	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	102.0098	GEN523195 1-Hansford County Switch Station
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.9579	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.9577	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	101.5994	GEN562049 1-G11_012_3 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	100.8647	GEN560585 1-G06-44-2 0.6000
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	100.5014	GEN526331 1-JONES GEN #1 22 KV
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	100.4946	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	100.0555	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21848	100.0555	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21847	103.7678	CRAIG - STRANGER CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21846	103.1484	DOLET HILLS 345/230KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21845	102.8892	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21845	102.8714	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21844	103.0325	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21841	103.0166	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2184	103.1352	ARKANSAS NUCLEAR ONE - MABELVALE 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21836	102.9833	LACYGNE - STILWELL 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21835	103.7752	ELK CITY - RED HILLS WIND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21832	103.017	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2183	102.9161	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21829	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21829	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21823	103.8216	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21823	102.7587	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21821	102.9713	GRDA-OPGD-05
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2182	103.896	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2182	103.8754	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21816	103.7652	NORTHEAST STATION - TULSA NORTH 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21797	103.0743	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21797	103.0738	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21763	104.0905	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21758	102.0763	DBL-THIS-CLR
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21755	103.0441	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21743	102.8507	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21723	102.4879	CLEVELAND - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21693	103.1135	SOONER - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21686	102.8806	PITTSBURG - VALLIANT 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21669	102.7547	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.216	101.8128	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21531	101.7541	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21374	102.4504	ARCADIA - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21289	102.7555	MATTHEWSON 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21233	102.6871	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2
FDNS	3	2	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21304	100.6852	DBL-WICH-THI
FDNS	2	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30279	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28043	118.6835	DBL-WICH-THI
FDNS	2	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24863	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	12G	G11_012	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21304	100.6852	DBL-WICH-THI
FDNS	02ALL	3	12G	G11_012	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.40215	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_012	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.40215	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	3	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20414	114.7906	DBL-HTCH-BVR
FDNS	02ALL	3	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26245	103.3402	DBL-THIS-WWR
FDNS	02ALL	3	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23901	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23901	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	3	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.24108	101.9096	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	4	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.24036	101.1843	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	2	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.23586	104.5353	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	4	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.20951	107	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.19682	104.4	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_012	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.19625	103.9	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.18936	100	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.18578	101.6	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.18117	109.7988	DBL-BVR-WWRD
FDNS	02NR	4	12G	G11_012	FROM->TO	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	1328	0.17467	117.809	DBL-BVR-WWRD
FDNS	02NR	3	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16562	114.5991	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	3	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16562	110.912	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	4	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16514	113.8119	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	4	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16514	110.5612	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16212	112.6223	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_012	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16212	109.6134	GEN525561 1-TOLK GEN #1 24 KV
FDNS	00NR	3	17WP	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12654	101.6	BASE CASE
FDNS	00NR	4	12WP	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12511	102.6	BASE CASE
FDNS	00NR	2	17WP	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12498	102.6	BASE CASE
FDNS	02NR	3	12G	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12461	126	BASE CASE
FDNS	00NR	3	12WP	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12416	102	BASE CASE
FDNS	02NR	2	12G	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12378	127.6	BASE CASE
FDNS	00NR	2	12WP	G11_012	FROM->TO	LAWEASOKLUNI	425	0.12187	103.9	BASE CASE
FDNS	00NR	2	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.0903	102.0684	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.0903	101.9642	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.0903	101.0703	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.0903	101.0561	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08922	101.8185	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08922	101.7142	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08922	100.8213	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08922	100.8076	OCHILTREE 230/115KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	4	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08895	102.4574	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08895	102.2211	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08895	101.5274	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_012	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.08895	101.4353	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.06652	102.233	DBL-FINY-HOL
FDNS	02NR	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.06652	100.4888	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.06394	121.9385	DBL-WICH-THI
FDNS	02NR	2	12G	G11_012	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.06166	120.8991	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	02NR	2	12G	G11_012	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.0612	105.3344	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_012	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.06061	109.703	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_012	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.05963	117.3272	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_012	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.05928	126.1801	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_012	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.05915	100.7063	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_012	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.05905	121.8174	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_012	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.05868	109.8838	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_012	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.05858	107.1262	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_012	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.05729	115.8707	DBL-THIS-WWR
FNSL-Blown up	2	0	12G	G11_014		Non Converged Contingency	0	0.62574	-	DBL-BVR-WWRD
FNSL-Blown up	2	3	12G	G11_014		Non Converged Contingency	0	0.63698	-	DBL-BVR-WWRD
FNSL-Blown up	01ALL	0	12G	G11_014		Non Converged Contingency	0	0.26316	-	DBL-THIS-WWR
FNSL-Blown up	02ALL	0	12G	G11_014		Non Converged Contingency	0	0.23597	-	DBL-WICH-THI
FNSL-Blown up	02ALL	0	12G	G11_014		Non Converged Contingency	0	0.62397	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	0	12G	G11_014		Non Converged Contingency	0	0.17063	-	DBL-FINY-HOL
FNSL-Blown up	02G11_014	0	12G	G11_014		Non Converged Contingency	0	0.23761	-	DBL-WICH-THI
FNSL-Blown up	02G11_014	0	12G	G11_014		Non Converged Contingency	0	0.62543	-	DBL-BVR-WWRD
FNSL-Blown up	3	0	12G	G11_014		Non Converged Contingency	0	0.23696	-	DBL-WICH-THI
FNSL-Blown up	01ALL	0	12G	G11_014		Non Converged Contingency	1195	0.21524	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	12G	G11_014		Non Converged Contingency	1052	0.17063	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	12G	G11_014		Non Converged Contingency	1324	0.05032	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	02G11_014	0	12G	G11_014		Non Converged Contingency	1052	0.17207	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	12G	G11_014		Non Converged Contingency	1195	0.21524	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	0	0.62709	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	0	0.23537	-	DBL-WICH-THI
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1195	0.20914	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	717	0.03648	-	GRAND ISLAND - SWEETWATER 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	717	0.06106	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1195	0.20914	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.06203	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1195	0.04694	-	GEN542962 2-IATAN UNIT #2
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.11768	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	956	0.03658	-	AXTELL - PAULINE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	559	0.10291	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1328	0.06462	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.06203	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1328	0.06869	-	HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1324	0.05372	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.04774	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	956	0.0478	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1052	0.05372	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	956	0.05467	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1052	0.05372	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.31354	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_014		Non Converged Contingency	1792	0.31354	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	02G11_014	2	12G	G11_014		Non Converged Contingency	0	0.63716	-	DBL-BVR-WWRD
FNSL-Blown up	02G11_014	2	12G	G11_014		Non Converged Contingency	1195	0.26337	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	02ALL	2	12G	G11_014		Non Converged Contingency	0	0.63564	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	2	12G	G11_014		Non Converged Contingency	0	0.21409	-	DBL-WICH-THI
FNSL-Blown up	02ALL	2	12G	G11_014		Non Converged Contingency	0	0.16428	-	DBL-FINY-HOL
FNSL-Blown up	02ALL	2	12G	G11_014		Non Converged Contingency	1052	0.16428	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	2	2	12G	G11_014		Non Converged Contingency	0	0.63747	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1195	0.20678	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1195	0.20678	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1792	0.05305	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1792	0.04486	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1328	0.0661	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1328	0.06213	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	717	0.0588	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1195	0.04118	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1792	0.05305	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1051	0.04606	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1195	0.04118	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1792	0.10898	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1792	0.10898	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	956	0.03466	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	956	0.04604	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	717	0.03476	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	0	0.21795	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	0	0.62409	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_014		Non Converged Contingency	1324	0.05291	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_014		Non Converged Contingency	1052	0.16352	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_014		Non Converged Contingency	0	0.21303	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_014		Non Converged Contingency	0	0.63513	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	3	12G	G11_014		Non Converged Contingency	0	0.16352	-	DBL-FINY-HOL	
FNSL-Blown up	02G11_014	3	12G	G11_014		Non Converged Contingency	0	0.63665	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	3	12G	G11_014		Non Converged Contingency	1792	0.04826	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_014		Non Converged Contingency	0	0.20833	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_014		Non Converged Contingency	0	0.21888	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_014		Non Converged Contingency	0	0.5506	-	DBL-BVR-WWRD	
FNSL-Blown up	02NR	2	12G	G11_014		Non Converged Contingency	0	0.40949	-	DBL-BVR-WWRD	
FNSL-Blown up	02NR	3	12G	G11_014		Non Converged Contingency	0	0.41052	-	DBL-BVR-WWRD	
FNSL	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21566	124.7714	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21567	124.7089	SPP-WERE-07C	
FNSL	02G11_014	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30372	117.2012	DBL-THIS-WWR	
FNSL	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	113.2862	GEN336153 1-WATERFORD UNIT#3	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26333	104.0475	SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26305	104.0029	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.0774	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.0195	SPP-WERE-07C	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.8493	GEN523277 1-VALERO SUB	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.3372	GEN560584 1-G06-44-1 0.6000	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.8321	GEN527162 1-MUSTANG GEN #2	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.4316	GEN527161 1-MUSTANG GEN #1	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.338	GEN527902 1-HOBBS PLANT #2 (CT)	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.3231	GEN527901 1-HOBBS PLANT #1 (CT)	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.0465	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FNSL	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	100.301	GEN527903 1-HOBBS PLANT #3 (ST)	
FNSL	01ALL	2	12G	G11_014	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.22457	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01ALL	2	12G	G11_014	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.22457	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26421	104.5	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26305	104.1	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26277	103.8	NORTH MEMPHIS REC - NW MEMPHIS 69KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26277	103.8	MEMPHIS - NW MEMPHIS 69KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26277	103.8	SPP-AEPW-25	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.7	GEN524286 1-CLR_3 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24045	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24045	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23245	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30921	136.9326	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30239	135.5058	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	134.7719	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	134.0026	GEN336153 1-WATERFORD UNIT#3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22895	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22895	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	133.3152	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22185	132.9655	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27299	132.8871	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24318	132.853	DBL-FINY-HOL	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	132.814	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	131.9628	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22627	131.8818	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22627	131.831	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24318	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	131.0805	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	130.9163	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	130.8369	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23245	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	130.6086	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	130.5303	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24318	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.8586	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22499	129.8511	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.8409	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23245	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.7529	GEN337041 1-GERALD ANDRUS	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.6935	GEN501813 1-RODEMACHER UNIT 3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.5667	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.4255	GEN520947 1-HUGO1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.4166	GEN509403 1-PIRKEY GENERATION	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.386	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.3847	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.3437	GEN338388 1-1PLUMPT 23.000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.2298	GEN560323 1-G10-40 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.2206	GEN336831 1-BAXTER WILSON SES	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.1796	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.1255	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	129.0854	GEN335206 1-NELSON UNIT 6	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.9622	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.9615	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.877	GEN335204 1-NELSON UNIT 4	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.8222	GEN334440 1-SABINE UNIT 4	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.8037	GEN515042 1-SEMINOLE 3G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22185	128.7551	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21942	128.6482	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.6306	GEN515040 1-SEMINOLE 1G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.5674	GEN509406 1-WELSH #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.5673	GEN509404 1-WELSH #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.5673	GEN509405 1-WELSH #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.4899	GEN512688 2-GRDA1 GSU2 22	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21983	128.4488	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.4114	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21983	128.3815	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21892	128.3701	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.3279	GEN334441 1-SABINE UNIT 5	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.3217	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22185	128.3098	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22154	128.294	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21892	128.2715	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.2203	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21942	128.1858	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22092	128.1808	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.1754	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.1178	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	128.0517	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	127.8444	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.8298	GEN512689 1-GRDA1 GSU1 22	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22499	127.7925	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22153	127.7473	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.6862	GEN515041 1-SEMINOLE 2G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.588	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21797	127.5366	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21797	127.5165	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21706	127.4217	MOORELAND - NINE MILE 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.4095	GEN336170 1-GULF OXY U4	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21706	127.4013	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.2846	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.2765	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21828	127.2491	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.1934	GEN514911 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.1933	GEN514910 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	127.1321	GEN514942 2-REDBUD4G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21785	127.075	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21978	127.0696	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21981	127.0195	SPP-SWPS-03	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22833	126.9854	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.9818	GEN334070 1-LEWIS CREEK 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.9516	GEN514905 1-REDBUD3S	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.9513	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.9503	GEN514899 1-REDBUD1S	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.9179	GEN514900 1-REDBUD2S	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21956	126.9089	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21577	126.8718	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.8517	GEN542956 2-LACYGNE UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.8505	GEN542955 1-LACYGNE UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21802	126.8356	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.8235	GEN501823 1-TECHE UNIT 3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22228	126.7597	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.7456	GEN334432 1-SABINE UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.7455	GEN334431 1-SABINE UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.723	GEN542962 2-IATAN UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21789	126.6892	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22833	126.6755	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.6639	GEN501910 1-ACADIA UNIT ST1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.6504	GEN549893 2-SOUTHWEST 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.6374	GEN505432 1-SIKESTON	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.5928	GEN511938 1-OEC STEAM # 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21698	126.5819	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.5502	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.5416	GEN334030 1-FRONTIER UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.5416	GEN334031 1-FRONTIER UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21541	126.5378	CIMARRON - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.5061	GEN318007 1-5MOROW161 161.00	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.5016	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.476	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21717	126.4522	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4469	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4469	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4351	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4126	GEN542951 5-HAWTHORN UNIT #5	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21717	126.412	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2166	126.4113	SPP-MKEC-08	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4078	GEN337125 6-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4071	GEN560706 1-G11-010 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4004	GEN337428 1-PERYVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.4004	GEN337430 1-PERYVILLE UNIT #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3997	GEN337006 1-DUKE MCADAMS G1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3997	GEN337007 1-DUKE MCADAMS G2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3977	GEN515266 1-AES 1G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3977	GEN515267 1-AES 2G	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3691	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.369	GEN337429 1-PERYVILLE UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3688	GEN337432 1-PERYVILLE UNIT #5	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3669	GEN337008 1-DUKE MCADAMS S1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21944	126.3641	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21627	126.3551	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3415	GEN335203 1-NELSON UNIT 3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21609	126.3398	SMOKYHLL 230.00 - SUMMIT 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21553	126.3236	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.217	126.3202	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3176	GEN547649 1-ASBURY UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21609	126.3168	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22228	126.3152	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.308	GEN336944 1-REX BROWN	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.304	GEN501911 1-ACADIA UNIT CT1A	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.304	GEN501912 1-ACADIA UNIT CT1B	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.3003	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2901	GEN336167 1-GULF OXY U1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2901	GEN336168 1-GULF OXY U2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2901	GEN336169 1-GULF OXY U3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2831	GEN560623 1-ASGI-10-01 0.6000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21962	126.2704	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21569	126.2684	WRTOD400	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2648	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21622	126.2643	CIRCLE - MULLERGREY 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2561	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2161	126.253	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	126.2478	STATELINE INTERCHANGE - STLIN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2473	GEN335570 1-CARVILLE CTG	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2473	GEN335571 1-CARVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	126.2456	STLIN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	126.245	SPP-SWPS-02	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2316	GEN335075 1-DYNEGY#1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2316	GEN335076 1-DYNEGY UNIT2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2161	126.2242	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21567	126.2226	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2225	GEN335572 1-CARVILLE STG	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21625	126.2162	MULLERGREY - SPEARVILLE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21962	126.2148	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2071	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2054	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21856	126.2053	BENTON - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.205	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.217	126.2024	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2014	GEN514912 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.2012	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.1973	GEN645011 1-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21956	126.1827	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21704	126.1806	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.1791	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.1791	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21722	126.1774	OGE3TERM1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.1509	GEN506752 1-LEBROCK GAS 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21704	126.1317	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21609	126.1214	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21704	126.0986	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21634	126.0825	AXTELL - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21793	126.066	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.0606	GEN520812 1-ANADRK5	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.0591	GEN337954 1-LYNCH UNIT #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21642	126.0504	SPP-WEPL-03	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21642	126.0504	SPP-WERE-34	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.0485	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21642	126.0451	SPP-MKEC-05	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.0344	GEN338513 1-BAILEY UNIT #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21642	126.031	SPP-WEPL-03A	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.022	GEN549890 1-SOUTHWEST 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.0167	GEN335201 1-NELSON UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	126.003	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9951	GEN520813 1-ANADRK6	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9751	GEN338510 1-151KNWRI	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9751	GEN338511 1-1C7KNWRI	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21571	125.9694	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9667	GEN334456 1-CONOCO UNIT#1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21966	125.9537	SPP-SWPS-02A	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21635	125.9489	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21609	125.943	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21575	125.9427	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.217	125.9408	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21627	125.9408	MOORE - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9305	GEN511851 1-COMANCHE #1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.92	GEN335202 1-NELSON UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21571	125.9178	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9071	GEN520811 1-ANADRK4	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21642	125.9068	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.9029	GEN503900 1-FITZHUGH CT1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8963	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8882	GEN546702 1-NM GEN N1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8873	GEN337124 5-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.88	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8721	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.862	GEN300016 1-1G1GPDEL 18.000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.862	GEN300017 1-1G2GPDEL 18.000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8589	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8525	GEN506749 1-EASTMAN GENERATION A	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8444	GEN509409 1-WILKES #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8414	GEN547656 1-STATE LINE UNIT #2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21618	125.8391	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.8367	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21604	125.8363	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21644	125.8183	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.818	GEN335137 C4-PPG	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.8157	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.8148	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.8113	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.8109	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21593	125.7965	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21613	125.7934	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.7864	KNOBHILL - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21588	125.7814	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7807	GEN334467 1-DUPONT UNIT#1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.7786	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7673	GEN500915 3-WESTERN KRAFT	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21597	125.7617	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.7576	HELENA TAP - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7553	GEN599891 1-OKLAUN	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7506	GEN334335 1-TOLEDO BEND	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21635	125.7444	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21743	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7428	GEN335546 3-DOW COGEN	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2158	125.7421	CANTON - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21577	125.7411	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21597	125.7383	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7274	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7274	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7274	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7274	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7266	GEN521214 1-BLUCAN2 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21618	125.7244	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21562	125.7218	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7171	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7116	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7116	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7109	GEN560169 1-G08-13 0.5750	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2158	125.7045	CANTON - OKEENE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.7043	GEN335644 1-EXXON UNITS	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.6945	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21587	125.6916	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.6915	GEN511853 1-COMANCHE #3	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21618	125.6879	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21658	125.6874	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.6865	GEN511852 1-COMANCHE #2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2153	125.6846	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.6789	GEN337054 1-GREENWOOD	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21597	125.6786	SPP-SWPS-T54	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21597	125.6776	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.6767	GOLTRY - IMO 69KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21597	125.6761	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21944	125.6664	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21542	125.648	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21547	125.6258	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.6037	GEN560603 1-G07-06 0.6000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21592	125.6019	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.2435	BASE CASE	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	125.2435	NC1_GEN-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2154	125.1336	DBL-THIS-CLR	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21529	125.0274	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2153	125.0061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.9022	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21552	124.8966	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.89	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.8765	GEN562014 1-G11_023_3 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21444	124.8637	SPP-AEPW-01	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21402	124.8617	MUSKOGEE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.8495	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21522	124.8428	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.8392	GEN560585 1-G06-44-2 0.6000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21567	124.8359	SPP-WERE-07	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21519	124.8277	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21566	124.8258	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21464	124.8227	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.8216	GEN560173 1-G08-17 0.5750	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21567	124.8097	OGE3TERM7	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21515	124.8094	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21532	124.7894	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21532	124.7782	AMRN_OUT55	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21589	124.7759	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21503	124.7659	GRDA-OPGD-05	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21544	124.7461	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21566	124.7408	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21566	124.7407	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.735	GEN560170 1-G08-16 34.500	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.7174	GEN524286 1-CLR_3 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21577	124.7117	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6986	GEN560595 1-G06-47 0.6000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6976	GEN560592 1-G06-45 0.6000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6959	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6959	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21567	124.6792	SPP-WERE-07B	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6645	GEN560586 1-G06-44-3 0.6000	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2146	124.6641	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6567	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21451	124.6563	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21532	124.6536	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.6414	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21534	124.5907	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.5823	GEN560256 1-G10-14-1 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.5768	GEN560105 1-G08-22 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.5685	GEN560257 1-G10-14-2 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.5672	GEN560279 1-G08-18 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21769	124.5262	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21421	124.5114	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21421	124.511	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.4955	GEN562042 1-G11_014_3 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.4825	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.4771	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2139	124.4535	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21789	124.4329	WOODWARD DISTRICT EHV (WWDHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21485	124.4324	NORTHWEST (NORTW3T) 345/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21789	124.4302		WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.398		GEN560359 1-G08-51 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21522	124.3903		GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.3501		GEN560166 1-G07-48 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21369	124.3446		CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.3381		GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.3318		GEN560598 1-G06-49 0.6000
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.3209		GEN560570 1-G06-39 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21944	124.2829		SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.2823		GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.2701		GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.2699		GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.2587		GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21482	124.2137		NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21597	124.1651		DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21769	124.1621		G08-1277 345.00 - ROSE HILL 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21093	124.1504		NORTHWEST - SPRING CREEK 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21093	124.1473		SOONER - SPRING CREEK 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2137	124.1398		PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.1373		GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.0888		GEN515790 1-FPLWND2
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.0682		GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	124.0115		GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.998		GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2081	123.9588		ARCADIA - NORTHWEST 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.7633		GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21541	123.6981		GRACEMONT - MINCO 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.6888		GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.6781		GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.5251		GEN526331 1-JONES GEN #1 22 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.5216		GEN526332 1-JONES GEN #2 21 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.4035		GEN515397 1-OUSPRT 1 34.500
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.2881		GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.1076		GEN515364 1-CENT 11 0.6000
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	123.0003		GEN560180 1-G07-51 0.6000
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	122.9398		GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21271	122.6968		REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	122.4416		GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	122.4201		GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	122.4194		GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	122.3272		GEN515393 1-OGWWD2G
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	122.2883		GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20925	122.1911		CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	121.264		GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	121.264		GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	121.1414		GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	121.1414		GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	121.1328		GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	120.4955		GEN560429 1-G08-29 0.6400
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	120.2863		GEN515450 1-CRSRDW21 34.500
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	120.2672		GEN515449 1-CRSRDW11 34.500
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	118.9958		GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	118.9958		GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	0	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.25972	118.7202		DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	116.3503		GEN560648 1-G07-21 0.5750
FDNS	2	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26773	115.8542		DBL-WICH-THI
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23099	115.6398		LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	113.9892		GEN336821 1-GRAND GULF UNIT
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23928	113.552		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23928	113.552		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	112.7067		GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22389	112.6234		G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.5392	112.4045		BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.5392	112.4045		BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	112.2585		GEN335831 1-RIVERBEND UNIT#1
FDNS	2	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30399	112.2028		DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	112.059		GEN560175 1-G07-44 0.5750

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	111.9442	GEN562010 1-G11_024_3 0.6900	
FDNS	01ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21524	111.7538	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22389	111.6851	G05-15T 345.00 - TUCCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	111.4691	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22767	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22767	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	110.6533	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	110.5045	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	110.4315	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22049	110.3424	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	110.1938	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	110.1359	GEN501801 1-DOLET HILLS UNIT1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24203	109.8276	DBL-FINY-HOL	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2249	109.7284	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2249	109.7102	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.5453	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23099	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.4642	GEN337041 1-GERALD ANDRUS	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.4089	GEN514806 1-SOONER UNIT 2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.3518	GEN501813 1-RODEMACHER UNIT 3	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.2629	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.2486	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	0	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30239	109.1905	DBL-THIS-WWR	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.1015	GEN514805 1-SOONER UNIT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.0925	GEN520947 1-HUGO1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.0433	GEN515226 1-MUSKOGEE 6G	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.0294	GEN338388 1-1PLUMPT 23.000	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	109.0174	GEN509416 1-TURK GENERATION	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.9543	GEN336831 1-BAXTER WILSON SES	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.8143	GEN501812 1-RODEMACHER UNIT 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	108.8035	GEN336821 1-GRAND GULF UNIT	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.7774	GEN335206 1-NELSON UNIT 6	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22363	108.774	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23099	108.6944	G05-15T 345.00 - TUCCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.644	GEN515225 1-MUSKOGEE 5G	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.6433	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23367	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23367	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24203	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.5798	GEN335204 1-NELSON UNIT 4	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.5274	GEN334440 1-SABINE UNIT 4	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.4996	GEN515042 1-SEMINOLE 3G	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.4123	GEN509406 1-WELSH #3	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.4122	GEN509404 1-WELSH #1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.4122	GEN509405 1-WELSH #2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.3212	GEN512688 2-GRDA1 GSU2 22	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	108.2512	GEN336153 1-WATERFORD UNIT#3	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.2359	GEN509394 1-FLINT CREEK	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.1333	GEN560323 1-G10-40 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.092	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.0576	GEN334441 1-SABINE UNIT 5	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	108.0427	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	107.9441	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	107.8825	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22049	107.8219	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22219	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22219	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	107.6699	GEN512689 1-GRDA1 GSU1 22	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21815	107.6516	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	107.571	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22049	107.4683	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	107.4413	GEN515041 1-SEMINOLE 2G	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2183	107.4082	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2183	107.4077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2185	107.378	CLEO CORNER - MEN TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY	
							(MVA)	TDF			
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24203	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21759	107.3649	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	107.3622	GEN560687 1-G11-007 0.5750
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.22363	107.3518	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2185	107.3238	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21759	107.2867	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21815	107.2521	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	107.186	GEN336170 1-GULF OXY U4
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21967	107.18	MINGO - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.22019	107.1704	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2203	107.1628	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.20876	107.1492	GEN335831 1-RIVERBEND UNIT#1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	107.0935	GEN515040 1-SEMINOLE 1G
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	107.071	GEN300006 1-NEW MADRID UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	107.0643	GEN300007 1-NEW MADRID UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.969	GEN514910 2-REDBUD GEN
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.969	GEN514911 2-REDBUD GEN
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.91	GEN514942 2-REDBUD4G
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.9067	GEN515443 1-MNCOWND1 34.500
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21664	106.8179	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2143	106.8101	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21664	106.7877	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7743	GEN334070 1-LEWIS CREEK 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7452	GEN334071 1-LEWIS CREEK 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7406	GEN514905 1-REDBUD3S
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7392	GEN514899 1-REDBUD1S
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7277	GEN542956 2-LACYGNE UNIT #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7262	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21845	106.7243	SPP-SWPS-03
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.7084	GEN514900 1-REDBUD2S
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21788	106.6512	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.6259	GEN542962 2-IATAN UNIT #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.6213	GEN501823 1-TECHE UNIT 3
FDNS	02G11_014	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.22496	106.6072	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21702	106.5725	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.5559	GEN334431 1-SABINE UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.5559	GEN334432 1-SABINE UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.5303	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.5228	GEN549893 2-SOUTHWEST 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21573	106.5186	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21573	106.5047	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2183	106.4868	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.4787	GEN501910 1-ACADIA UNIT ST1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.4531	GEN505432 1-SIKESTON
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.4487	GEN511938 1-OEC STEAM # 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21653	106.4439	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.4057	GEN542957 1-IATAN UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21656	106.4037	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21668	106.4005	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3571	GEN334030 1-FRONTIER UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3571	GEN334031 1-FRONTIER UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21823	106.343	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21851	106.3357	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3277	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3245	GEN318007 1-5MOROW161 161.00
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3131	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3131	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3026	GEN542951 5-HAWTHORN UNIT #5
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.3013	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.20876	106.2965	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.2779	GEN560636 1-ASGI-10-06 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.2382	GEN337125 6-LS POWER BATESVILLE
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.2367	GEN337428 1-PERVILLE UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.2367	GEN337430 1-PERVILLE UNIT #3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21415	106.2264	LACYGNE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.2231	GEN337006 1-DUKE MCADAMS G1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	0.21392	106.2231	GEN337007 1-DUKE MCADAMS G2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.2161	GEN515266 1-AES 1G
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.2161	GEN515267 1-AES 2G
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.2061	GEN337429 1-PERVILLE UNIT #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.2059	GEN337432 1-PERVILLE UNIT #5
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1995	GEN337008 1-DUKE MCADAMS S1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1787	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1664	GEN335203 1-NELSON UNIT 3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1655	GEN560623 1-ASGI-10-01 0.6000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1564	GEN547649 1-ASBURY UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1474	GEN645011 1-NEBRASKA CITY 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1453	GEN336944 1-REX BROWN
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1307	GEN501911 1-ACADIA UNIT CT1A
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1307	GEN501912 1-ACADIA UNIT CT1B
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1301	GEN336167 1-GULF OXY U1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1301	GEN336168 1-GULF OXY U2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1301	GEN336169 1-GULF OXY U3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1299	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1296	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.1278	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22095	106.1151	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0956	GEN300003 1-THOMAS HILL UNIT 3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0923	GEN334392 1-EXXON MOBIL IPP 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0883	GEN335570 1-CARVILLE CTG
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0883	GEN335571 1-CARVILLE UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0721	GEN335075 1-DYNEGY#1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0721	GEN335076 1-DYNEGY UNIT2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21566	106.0671	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21584	106.0646	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0642	GEN335572 1-CARVILLE STG
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2183	106.0629	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2183	106.0619	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21828	106.061	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2183	106.0607	SPP-SWPS-02
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21437	106.0515	WRTOD400
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0368	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0368	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0303	GEN338500 1-MCCLELLAN UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21584	106.0294	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21568	106.0246	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0223	GEN514912 2-REDBUD GEN
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0175	GEN506752 1-LEBROCK GAS 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21529	106.0154	SPP-MKEC-08
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	106.0126	GEN560706 1-G11-010 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21828	106.0117	DEWEY - IODINE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21495	106.0117	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21435	106.0105	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.9897	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21412	105.9808	CIMARRON - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21788	105.9777	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21477	105.9718	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2172	105.9192	BENTON - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.9114	GEN520812 1-ANADRS
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22704	105.9055	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21568	105.9032	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.903	GEN337954 1-LYNCH UNIT #3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21492	105.8966	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8941	GEN549890 1-SOUTHWEST 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8716	GEN338513 1-BAILEY UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21493	105.87	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8624	GEN511836 1-NORTHEASTERN STATION #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8533	GEN335201 1-NELSON UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21477	105.8448	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21479	105.8354	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21479	105.8171	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8138	GEN338510 1-1S1KNWRI
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8138	GEN338511 1-1C7KNWRI
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21392	105.8067	GEN511851 1-COMANCHE #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.8051	GEN334456 1-CONOCO UNIT#1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21823	105.7878	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7864	GEN520811 1-ANADRK4
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7839	GEN546702 1-NM GEN N1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7688	GEN335202 1-NELSON UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7675	GEN520813 1-ANADRK6
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7668	GEN503900 1-FITZHUGH CT1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2183	105.7666	SPP-SWPS-02A
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21511	105.7658	SPP-WEPL-03
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21511	105.7658	SPP-WERE-34
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21511	105.762	SPP-MKEC-05
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21503	105.7603	AXTELL - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21443	105.747	HOYT - STRANGER CREEK 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7457	GEN335612 1-WILLOW GLENN UNIT#2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7422	GEN560645 1-ASGI-10-09 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21572	105.7342	DOVER SW - HENESSEY 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7304	GEN337124 5-LS POWER BATESVILLE
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.22095	105.7228	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7182	GEN506749 1-EASTMAN GENERATION A
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7145	GEN511843 1-RIVERSIDE STATION #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7104	GEN509409 1-WILKES #3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7092	GEN335611 1-WILLOW GLENN UNIT#1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2159	105.7082	OGE3TERM1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7074	GEN599891 1-OKLAUN
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7063	GEN300016 1-1G1GPDEL 18.000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.7063	GEN300017 1-1G2GPDEL 18.000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2144	105.7047	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.6919	GEN547656 1-STATE LINE UNIT #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21572	105.6893	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2363	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.6759	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21477	105.6736	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21511	105.6715	SPP-WEPL-03A
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.6689	GEN335137 C4-PPG
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2144	105.6541	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21496	105.649	MOORE - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21511	105.6482	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21568	105.6451	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21572	105.6416	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21477	105.6307	KNOLL 230 - SMOKYH6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.6294	GEN334467 1-DUPONT UNIT#1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.22704	105.6232	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.6161	GEN500915 3-WESTERN KRAFT
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21486	105.6123	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.6	GEN334335 1-TOLEDO BEND
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21481	105.5997	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5991	GEN335546 3-DOW COGEN
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21503	105.5988	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5958	GEN521214 1-BLUCAN2 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21665	105.5909	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21504	105.5853	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5788	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5788	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5788	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5788	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5748	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5736	GEN511853 1-COMANCHE #3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5732	GEN300002 1-THOMAS HILL UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5698	GEN511852 1-COMANCHE #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5685	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5685	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.5562	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5556	GEN335644 1-EXXON UNITS
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5546	GEN560169 1-G08-13 0.5750
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21327	105.5469	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.5369	GEN337054 1-GREENWOOD
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.5354	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY		
							(MVA)	TDF				
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21445	105.5326	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21461	105.5322	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21408	105.5291	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21456	105.5277	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21472	105.5196	CIMARRON - EL RENO 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21398	105.5086	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21408	105.5048	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21486	105.5047	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21516	105.5033	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4997	GEN506753 1-LEBROCK GAS 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4932	GEN560603 1-G07-06 0.6000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21471	105.4891	KNOBHILL - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4835	GEN334458 1-CONOCO UNIT#3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21526	105.4833	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.4819	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4815	GEN300001 1-THOMAS HILL UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.4808	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2143	105.4793	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	105.4781	GEN337652 1-WHITE BLUFF UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21446	105.4771	PUTNAM - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4752	GEN334282 1-SAM RAYBURN 4
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21486	105.4725	Canadian Pump Station - HINTON 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.4714	SPP-SWPS-T54
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21449	105.4712	CANTON - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.471	GEN560118 1-G08-46 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.47	GEN549899 5-JAMES RIVER 5
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21415	105.4664	BROOKLINE - MORGAN 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21471	105.4653	HELENA TAP - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4643	GEN335640 1-ENCO
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21445	105.4602	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21446	105.4599	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21446	105.4593	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21446	105.4579	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21611	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4458	GEN542954 3-MONTROSE UNIT #3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21455	105.4433	OKEENE - WATONGA SW 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4423	GEN506750 1-EASTMAN GENERATION B
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21449	105.4417	CANTON - OKEENE 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21448	105.4367	MARSHALL - WOODRING 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21397	105.4365	BDANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4356	GEN338512 1-1S2KNWRI
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4346	GEN502438 1-DOC BONIN UNIT #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4342	GEN502436 1-HARGIS2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21446	105.4332	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21415	105.4332	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.432	GEN338507 1-1C1KNWRI
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.432	GEN338508 1-1C3KNWRI
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.432	GEN338509 1-1C5KNWRI
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4312	GEN318009 1-2MOSEL 69 69.0000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21448	105.4286	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21372	105.4284	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.426	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4235	GEN560633 1-ASGI-10-05 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4231	GEN542952 1-MONTROSE UNIT #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21464	105.4227	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21402	105.4199	MCLEROY - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.417	GEN505482 1-BEAVER
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2144	105.4108	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21471	105.4098	GOLTRY - HELENA TAP 69KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21445	105.4077	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4069	GEN505616 1-BROKEN BOW
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4062	GEN503305 1-CITY OF HOUMA SUB
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21462	105.4047	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	105.4013	GEN502435 1-HARGIS1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21403	105.3983	LAKEOVER - MCADAMS 500KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21414	105.3978	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21404	105.3943	A143

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	105.3392	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	105.2653	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21272	105.2447	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21272	105.2433	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	105.1044	BASE CASE	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	105.1044	NC1_GEN-NEBRASKA CITY 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21829	105.0234	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	104.9855	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	104.9459	GEN501801 1-DOLET HILLS UNIT1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21411	104.8628	DBL-SPRVL-CL	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21398	104.8539	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21617	104.8054	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.8008	GEN524895 1-SAN JUAN MESA WIND GEN	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.8	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.7932	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.7921	GEN562014 1-G11_023_3 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21451	104.7918	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21419	104.7832	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.7664	GEN560173 1-G08-17 0.5750	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.7659	GEN560585 1-G06-44-2 0.6000	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21332	104.7558	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2139	104.7441	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21433	104.7437	SPP-WERE-07	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21382	104.7396	OGE3TERM14	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21432	104.7314	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21411	104.7299	DBL-THIS-CLR	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21387	104.7192	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21383	104.7176	LACYGNE - STILWELL 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21433	104.715	OGE3TERM7	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6946	GEN560170 1-G08-16 34.500	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.214	104.6887	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21286	104.6881	SPP-SWPS-03	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21432	104.6856	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21372	104.6781	GRDA-OPGD-05	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.214	104.6779	AMRN_OUT55	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6774	GEN524286 1-CLR_3 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20948	104.6756	SOONER - SPRING CREEK 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20948	104.6734	NORTHWEST - SPRING CREEK 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21318	104.665	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6641	GEN560595 1-G06-47 0.6000	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6632	GEN560592 1-G06-45 0.6000	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21432	104.657	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21432	104.6566	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2141	104.6482	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6448	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6448	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21788	104.6419	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21433	104.6274	SPP-WERE-07C	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6236	GEN560371 1-G07-46 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.6211	GEN560586 1-G06-44-3 0.6000	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21829	104.6185	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21328	104.6117	CLEVELAND - SOONER 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21433	104.5974	SPP-WERE-07B	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.5929	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21656	104.587	WOODWARD DISTRICT EHV (WWWDEHV-2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.574	GEN560105 1-G08-22 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.5571	GEN560279 1-G08-18 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.214	104.5566	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.5518	GEN560256 1-G10-14-1 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.5405	GEN560257 1-G10-14-2 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21257	104.5103	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2139	104.505	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21402	104.4944	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.4722	GEN562042 1-G11_014_3 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21656	104.4633	WOODWARD DISTRICT EHV (WWWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21293	104.4584	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	104.458	GEN523103 1-NOBLE_WND 3115.00	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21293	104.4539	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21617	104.4489	G08-127T 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21375	104.4333	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.4253	GEN515790 1-FPLWND2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.4161	GEN560359 1-G08-51 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.3931	GEN520922 1-SLEEPING BEAR
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21355	104.3817	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.381	GEN560166 1-G07-48 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.3604	GEN515389 1-TLGAWND1 34.500
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.3577	GEN560570 1-G06-39 0.6900
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	104.3559	GEN336251 1-NINEMILE POINT UNIT#4
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.3548	GEN560598 1-G06-49 0.6000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.3025	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21235	104.2921	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.2813	GEN560121 1-G08-47 0.5750
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	104.2781	GEN337041 1-GERALD ANDRUS
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.2773	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.2772	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21241	104.269	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.268	GEN527162 1-MUSTANG GEN #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21458	104.2133	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21272	104.1911	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21351	104.178	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.1744	GEN562020 1-G11_021_3 0.6900
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	104.1487	GEN501813 1-RODEMACHER UNIT 3
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	104.0559	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	104.0417	GEN509403 1-PIRKEY GENERATION
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21412	103.9537	GRACEMONT - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20689	103.9294	ARCADIA - NORTHWEST 345KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.9252	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.8934	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.8808	GEN520947 1-HUGO1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.8424	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.8421	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.8338	GEN338388 1-1PLUMPT 23.000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.8331	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.8074	GEN509416 1-TURK GENERATION
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.7504	GEN336831 1-BAXTER WILSON SES
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21272	103.7333	SPP-SWPS-02
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21272	103.7327	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21272	103.7288	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.7212	GEN514806 1-SOONER UNIT 2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.7128	GEN515364 1-CENT 11 0.6000
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.6861	GEN560180 1-G07-51 0.6000
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21516	103.6783	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.6247	GEN526331 1-JONES GEN #1 22 KV
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.6213	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.5919	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.554	GEN335206 1-NELSON UNIT 6
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21272	103.4681	SPP-SWPS-02A
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.4387	GEN514805 1-SOONER UNIT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.3888	GEN515226 1-MUSKOGEE 6G
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.356	GEN531447 1-HOLCOMB GENERATOR
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.3527	GEN335204 1-NELSON UNIT 4
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21516	103.3179	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.2987	GEN334440 1-SABINE UNIT 4
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.215	103.2919	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.2138	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.1876	GEN509406 1-WELSH #3
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.1875	GEN509404 1-WELSH #1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.1875	GEN509405 1-WELSH #2
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21392	103.181	GEN515393 1-OGEWND2G
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21439	103.1038	MINGO - SETAB 345KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2125	103.0961	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20876	103.0898	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL		0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21114	103.084	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21133	103.0556	REDBUD - RIVERSIDE STATION 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	2	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22515	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21291	103.0347	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	103.0288	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	103.0283	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.9966	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21516	102.9556	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.8757	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.8617	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.8203	GEN334441 1-SABINE UNIT 5
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.785	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.6882	GEN511840 1-NORTHEASTERN STATION #3
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.675	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.6567	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.6561	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21291	102.6528	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.6264	GEN511841 1-NORTHEASTERN STATION #4
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.5906	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL	0	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1	1052	0.21681	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1	1052	0.21681	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21484	102.5685	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2125	102.449	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21296	102.4411	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.4378	GEN515450 1-CRSRDW21 34.500
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.4376	GEN560223 1-G07-62-3 0.6900
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.4376	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	102.4253	GEN512689 1-GRDA1 GSU1 22
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.3377	GEN560221 1-G07-62-1 0.6900
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	102.3377	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21303	102.0633	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21303	102.0153	DEWEY - IODINE 138KV CKT 1
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20801	102.0014	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21326	101.9769	HOLCOMB - SETAB 345KV CKT 1
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	101.9764	GEN560429 1-G08-29 0.6400
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21232	101.9591	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.9396	GEN336170 1-GULF OXY U4
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.9328	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2132	101.9291	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21296	101.9118	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21232	101.8801	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2132	101.8738	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.8334	GEN300006 1-NEW MADRID UNIT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.8262	GEN300007 1-NEW MADRID UNIT 2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21178	101.6996	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.6782	GEN515040 1-SEMINOLE 1G
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.5213	GEN334070 1-LEWIS CREEK 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.5028	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.5017	GEN542955 1-LACYGNE UNIT #1
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	101.501	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.4963	GEN514911 2-REDBUD GEN
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.4962	GEN514910 2-REDBUD GEN
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.4917	GEN334071 1-LEWIS CREEK 2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2114	101.4796	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2114	101.4489	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.4436	GEN514942 2-REDBUD4G
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.4408	GEN542962 2-IATAN UNIT #2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20915	101.4356	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.4002	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.3663	GEN501823 1-TECHE UNIT 3
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.3013	GEN334431 1-SABINE UNIT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.3013	GEN334432 1-SABINE UNIT 2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.2934	GEN514905 1-REDBUD3S
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.2923	GEN514899 1-REDBUD1S
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.2838	GEN549893 2-SOUTHWEST 2
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.265	GEN514900 1-REDBUD2S
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21058	101.2589	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.2241	GEN501910 1-ACADIA UNIT ST1
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21058	101.2222	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.2051	GEN505432 1-SIKESTON	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.2043	GEN542957 1-IATAN UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20894	101.2012	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.1857	GEN511938 1-OEC STEAM # 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.1757	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2125	101.1724	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21192	101.1276	BENTON - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.1045	GEN334030 1-FRONTIER UNIT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.1045	GEN334031 1-FRONTIER UNIT 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21129	101.095	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.0885	GEN542951 5-HAWTHORN UNIT #5	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.0704	GEN318007 1-5MOROW161 161.00	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20915	101.0636	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.0621	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.0621	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.0501	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20865	101.0425	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	101.0121	GEN560636 1-ASGI-10-06 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9863	GEN337428 1-PERVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9863	GEN337430 1-PERVILLE UNIT #3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9835	GEN337125 6-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9774	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9773	GEN645011 1-NEBRASKA CITY 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9719	GEN560623 1-ASGI-10-01 0.6000	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9684	GEN337006 1-DUKE MCADAMS G1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9684	GEN337007 1-DUKE MCADAMS G2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9553	GEN337429 1-PERVILLE UNIT #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9551	GEN337432 1-PERVILLE UNIT #5	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2097	100.9547	CIRCLE - MULLERGREY 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20958	100.9511	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.95	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9447	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9446	GEN337008 1-DUKE MCADAMS S1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9442	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9296	GEN547649 1-ASBURY UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.9136	GEN335203 1-NELSON UNIT 3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20976	100.9106	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2104	100.9041	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8899	GEN336944 1-REX BROWN	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8791	GEN336167 1-GULF OXY U1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8791	GEN336168 1-GULF OXY U2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8791	GEN336169 1-GULF OXY U3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8779	GEN501911 1-ACADIA UNIT CT1A	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8779	GEN501912 1-ACADIA UNIT CT1B	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21142	100.8742	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20919	100.859	WRTOD400	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20999	100.8568	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2206	100.8549	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8531	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21047	100.8509	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.847	GEN515266 1-AES 1G	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.847	GEN515267 1-AES 2G	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2101	100.8455	SPP-MKEC-08	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8384	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8369	GEN335571 1-CARVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8368	GEN335570 1-CARVILLE CTG	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8195	GEN335075 1-DYNEGY#1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8195	GEN335076 1-DYNEGY UNIT2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20917	100.8125	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8124	GEN335572 1-CARVILLE STG	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2206	100.8116	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.8077	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21135	100.798	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21134	100.7923	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	100.7899	GEN562023 1-G11_020_3 0.6900	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	100.7899	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2108	100.7875	G08-127T 345.00 - SOONER 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.7761	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.7754	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.7754	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20977	100.7637	MULLERGREEN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.7633	GEN506752 1-LEBROCK GAS 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21047	100.7436	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	1	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21392	100.7002	GEN515449 1-CRSRDW11 34.500	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.6679	GEN520812 1-ANADRK5	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20984	100.6645	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20962	100.6643	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.656	GEN514912 2-REBUD GEN	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.6482	GEN337954 1-LYNCH UNIT #3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.6436	GEN549890 1-SOUTHWEST 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20958	100.6419	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.6338	GEN511851 1-COMANCHE #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.6177	GEN338513 1-BAILEY UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21038	100.6159	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20991	100.6106	SPP-WEPL-03	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20991	100.6106	SPP-WERE-34	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20991	100.6058	SPP-MKEC-05	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20865	100.6023	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.6006	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5977	GEN335201 1-NELSON UNIT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5873	GEN560323 1-G10-40 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20991	100.5865	SPP-WEPL-03A	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20959	100.5845	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.5788	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20984	100.5754	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20962	100.5701	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20959	100.5664	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5572	GEN338510 1-151KNWRI	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5572	GEN338511 1-1C7KNWRI	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.5551	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20977	100.5542	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5489	GEN334456 1-CONOCO UNIT#1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5457	GEN520811 1-ANADRK4	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20924	100.5438	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5421	GEN546702 1-NM GEN N1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20962	100.5395	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5125	GEN335202 1-NELSON UNIT 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5092	GEN520813 1-ANADRK6	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5066	GEN503900 1-FITZHUGH CT1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.5013	GEN560645 1-ASGI-10-09 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20923	100.4998	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20991	100.4932	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.4915	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4904	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4903	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.4872	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21047	100.4869	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.4836	SPP-SWPS-T54	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4751	GEN337124 5-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4611	GEN506749 1-EASTMAN GENERATION A	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2108	100.4542	G08-1277 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4533	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4533	GEN509409 1-WILKES #3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20807	100.4529	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20924	100.4517	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4513	GEN300016 1-1G1GPDEL 18.000	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4513	GEN300017 1-1G2GPDEL 18.000	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4489	GEN547656 1-STATE LINE UNIT #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4453	GEN511843 1-RIVERSIDE STATION #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20923	100.4429	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21616	100.4297	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.4268	SHAMROCK - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4255	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.425	GEN509408 1-WILKES #2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20854	100.4215	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.4179	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20961	100.4155	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4121	GEN335137 C4-PPG	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.4065	GEN560687 1-G11-007 0.5750	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21062	100.3998	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21062	100.386	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2105	100.3834	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20924	100.3832	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20986	100.3718	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3714	GEN334467 1-DUPONT UNIT#1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20962	100.3676	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3649	GEN511852 1-COMANCHE #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3576	GEN500915 3-WESTERN KRAFT	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2091	100.3567	CONWAY SUB - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2091	100.3528	NICHOLS STATION - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20913	100.3518	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21068	100.3513	OGE3TERM1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20889	100.3505	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20924	100.3436	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3419	GEN335546 3-DOW COGEN	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3416	GEN334335 1-TOLEDO BEND	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3414	GEN521214 1-BLUCAN2 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3404	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2105	100.3391	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.334	HOLLIS TAP - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20974	100.3298	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3291	GEN511853 1-COMANCHE #3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20984	100.3235	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3214	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3214	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3214	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.3214	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2091	100.3175	SPP-SWPS-T53	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.311	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.311	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20942	100.3101	CHILDRESS - HOLLIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2105	100.3083	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20945	100.3071	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20974	100.3035	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2091	100.3023	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2978	GEN335644 1-EXXON UNITS	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20933	100.2965	LAKE PAULINE - RUSSELL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2946	GEN515443 1-MNCOWND1 34.500	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2931	GEN560169 1-G08-13 0.5750	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20924	100.288	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20998	100.2872	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2795	GEN337054 1-GREENWOOD	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20946	100.2636	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20881	100.2631	FIELD NORTH - LKFDLX3 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20891	100.2577	MORISN4 138.00 - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20897	100.2508	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20946	100.2486	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.247	GEN599891 1-OKLAUN	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2404	GEN506753 1-LEBROCK GAS 2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20898	100.2372	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2097	100.2371	OGE3TERM10	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20922	100.2346	GRAND ISLAND - MCCOOL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2297	GEN300001 1-THOMAS HILL UNIT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20946	100.2253	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2241	GEN334458 1-CONOCO UNIT#3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20963	100.2212	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.2195	MARSHALL - WOODRING 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2156	GEN334282 1-SAM RAYBURN 4	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.215	GEN560118 1-G08-46 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.2117	COTTONWOOD CREEK - MARSHALL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.2115	PUTNAM - TALOGA 69KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2107	GEN549899 5-JAMES RIVER 5	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20952	100.2107	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2093	100.2081	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2051	GEN335640 1-ENCO	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1995	GEN542954 3-MONTROSE UNIT #3	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20946	100.1976	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20897	100.1974	NUNDRWD - WAYSIDE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2088	100.1941	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.1933	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20856	100.1932	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.193	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.1878	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1868	OKLAUNION 345KV SWITCHED SHUNT	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20952	100.1866	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2093	100.1831	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1825	GEN506750 1-EASTMAN GENERATION B	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20944	100.1817	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.177	GEN502438 1-DOC BONIN UNIT #2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20937	100.1768	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1767	GEN502436 1-HARGIS2	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1755	GEN338512 1-1S2KNWRI	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20886	100.1753	MCELROY - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1751	GEN560633 1-ASGI-10-05 0.6900	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1722	GEN318009 1-2MOSEL 69 69.000	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1719	GEN338507 1-1C1KNWRI	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1719	GEN338508 1-1C3KNWRI	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1719	GEN338509 1-1C5KNWRI	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2091	100.1708	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1703	GEN542952 1-MONTROSE UNIT #1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20953	100.1679	CIMARRON - EL RENO 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.1614	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20886	100.1598	LAKEOVER - MCADAMS 500KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20887	100.1589	AI43	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20948	100.1576	JENSEN ROAD - JENSEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.156	GEN505482 1-BEAVAR	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20887	100.1512	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1471	GEN505616 1-BROKEN BOW	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.1463	GEN503305 1-CITY OF HOUMA SUB	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20893	100.1432	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20892	100.1382	EL PASO - FARBER 138KV CKT 1	
FDNS	02G11_014	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23717	100.0777	DBL-FINY-HOL	
FDNS	02G11_014	0	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22496	100	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36796	118.5403	DBL-THIS-WWR	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32967	124.2327	DBL-WICH-THI	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29748	103.9928	DBL-FINY-HOL	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29748	102.5247	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28014	110.4813	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28014	103.1004	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02G11_014	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28014	102.0854	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02G11_014	2	12G	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21599	106.2301	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.54837	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.54837	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36631	137.7338	DBL-THIS-WWR	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29635	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29112	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29112	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.279	100.7848	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27876	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27876	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27876	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2782	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2782	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2762	104.2693	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2762	104.2301	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27323	109.2528	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27323	108.7863	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27165	104.2661	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27006	107.6311	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26952	107.5733	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26952	107.1372	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26952	106.7023	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26933	107.4672	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26931	106.3317	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26798	106.1385	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2678	107.4642	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2678	106.6161	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26765	105.7136	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26765	105.6437	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2675	107.3012	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2675	106.7701	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26733	102.6871	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26728	105.9181	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26728	105.8546	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2672	109.6189	SPP-SWPS-03
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	110.3459	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	108.3395	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	108.3221	SPP-SWPS-02
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	108.3164	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26704	108.0119	SPP-SWPS-02A
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26663	105.8184	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26663	105.7178	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26613	105.566	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.266	104.7673	BENTON - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26575	104.6575	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26554	105.2878	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26554	105.2447	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26545	104.8053	DOVER SW - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26544	104.5704	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26544	104.5627	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2654	105.8393	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26525	107.5531	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26524	106.8314	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26524	105.9355	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26524	104.131	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26482	103.8966	OGE3TERM1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26462	103.9665	DOVER SW - HENESSEY 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26462	103.9073	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26462	103.8669	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26461	105.0658	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26461	105.0201	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26458	103.896	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26458	103.8754	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26444	104.4864	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26444	104.3666	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26444	104.0843	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26436	104.308	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26412	104.1049	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2641	104.6505	SPP-MKEC-08
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26394	104.6476	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26388	104.3118	SPP-WEPL-03
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26388	104.3118	SPP-WEPL-34
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26388	104.3085	SPP-MKEC-05
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26388	104.2917	SPP-WEPL-03A
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26388	104.1643	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26388	103.8816	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26383	104.398	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26381	104.0313	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26376	104.3192	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26376	103.9855	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26375	104.5556	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26374	104.7225	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26374	104.2642	MOORE - PAULINE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26367	104.7991	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26365	103.9837	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26365	103.9505	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2636	103.0012	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26353	104.8162	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26353	104.3811	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26352	103.8365	OGE3TERM10	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26351	104.0457	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2635	104.3001	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2635	104.2738	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26349	103.7752	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26345	104.3844	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26345	104.2662	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26345	104.224	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26345	104.0166	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26342	103.8168	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26342	103.7875	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26342	103.7203	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2634	102.6272	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26339	104.1574	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26339	103.9286	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26336	103.7533	CIMARRON - EL RENO 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26335	103.9142	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26335	103.8949	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26335	103.8651	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26335	103.8304	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26335	103.7673	BINGER NIJECT - SICKLES 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26331	103.7685	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.3476	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.3207	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.3009	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.2966	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.2879	SPP-SWPS-T54	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.1424	SHAMROCK - WELLINGTON 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.1332	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.0407	HOLLIS TAP - WELLINGTON 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	104.0119	CHILDRESS - HOLLIS TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26328	103.7534	JENSEN ROAD - JENSEN TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26321	103.7769	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2632	103.9503	LAKE PAULINE - RUSSELL 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.8346	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.8013	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26313	103.8103	PUTNAM - TALOGA 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26313	103.7888	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26313	103.7883	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26313	103.7871	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26313	103.7568	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26309	104.1986	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26309	103.9039	GRAND ISLAND - MCCOOL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26309	103.7569	MCCOOL - MOORE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26305	103.9447	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26304	102.7526	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26303	104.564	WRTOD400	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26301	104.0123	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26301	103.9576	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26301	103.7381	MARSHALL - WOODRING 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26301	103.7315	COTTONWOOD CREEK - MARSHALL 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.263	104.5137	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26298	104.0282	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26295	103.82	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26292	104.0604	CONWAY SUB - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26292	104.0556	NICHOLS STATION - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26292	103.995	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26292	103.9825	SPP-SWPS-T53	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.1494	SPP-WERE-07	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.1336	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.1162	OGE3TERM7	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.0421	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	103.042	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26288	102.9827	SPP-WERE-07B
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2628	103.9061	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26279	103.8466	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26278	103.1423	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26277	103.8803	BROOKLINE - MORGAN 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26274	103.7122	MCADAMS - WOLF CREEK 500KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26274	102.0763	DBL-THIS-CLR
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	103.7749	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	103.7434	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	103.7233	CHISHOLM - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26271	102.9629	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26269	103.7563	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26269	103.7509	STEGALL - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26267	103.7401	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26266	103.9436	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26266	103.7823	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26266	103.7757	AI43
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26266	103.7715	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26265	104.9416	LACYGNE - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26263	102.7584	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26261	102.9679	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26261	102.9647	AMRN_OUTSS
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26261	102.8196	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2626	103.9192	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26259	103.8247	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26259	103.7319	KCPL-OPGD06A
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26258	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26258	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	110.4511	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	109.9425	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	109.5694	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	109.0677	GEN335831 1-RIVERBEND UNIT#1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	108.5684	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	107.8155	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	107.6395	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	107.5807	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	107.514	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	107.4369	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.9723	GEN520947 1-HUGO1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.9662	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.9658	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.9292	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.8507	GEN501813 1-RODEMACHER UNIT 3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.809	GEN337041 1-GERALD ANDRUS
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.8081	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.7027	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.5528	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.4405	GEN336831 1-BAXTER WILSON SES
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.4152	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.3717	GEN335206 1-NELSON UNIT 6
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.3683	GEN338388 1-1PLUMPT 23.000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.2741	GEN509406 1-WELSH #3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.274	GEN509405 1-WELSH #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.2739	GEN509404 1-WELSH #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.265	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.2365	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.236	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.2125	GEN335204 1-NELSON UNIT 4
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.1983	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.1849	GEN334440 1-SABINE UNIT 4
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	106.066	GEN509394 1-FLINT CREEK
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.9573	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.8589	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.8064	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.8057	GEN334441 1-SABINE UNIT 5

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.7618	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.6393	GEN512689 1-GRDA1 GSU1 22
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.5164	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.4381	GEN560282 1-G08-19 0.6000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.388	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.3763	GEN562010 1-G11_024_3 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.3302	GEN560175 1-G07-44 0.5750
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	105.0646	GEN336170 1-GULF OXY U4
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.989	GEN515040 1-SEMINOLE 1G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.9197	GEN515449 1-CRSRDW11 34.500
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.9178	GEN514910 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.9178	GEN514911 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.8708	GEN514942 2-REDBUD4G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.8672	GEN300006 1-NEW MADRID UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.8588	GEN300007 1-NEW MADRID UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.7891	GEN334070 1-LEWIS CREEK 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.765	GEN334071 1-LEWIS CREEK 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.7402	GEN560648 1-G07-21 0.5750
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.7359	GEN514905 1-REDBUD3S
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.7347	GEN514899 1-REDBUD1S
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.7102	GEN514900 1-REDBUD2S
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.6344	GEN501823 1-TECHE UNIT 3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.6022	GEN511938 1-OEC STEAM # 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.5954	GEN334432 1-SABINE UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.5953	GEN334431 1-SABINE UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.5203	GEN501910 1-ACADIA UNIT ST1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.5089	GEN549893 2-SOUTHWEST 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4736	GEN334030 1-FRONTIER UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4736	GEN334031 1-FRONTIER UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4585	GEN560636 1-ASGI-10-06 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4541	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4541	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4441	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.4055	GEN505432 1-SIKESTON
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.3661	GEN318007 1-5MOROW161 161.00
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.3288	GEN337428 1-PERVILLE UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.3288	GEN337430 1-PERVILLE UNIT #3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.3046	GEN337429 1-PERVILLE UNIT #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.3032	GEN337432 1-PERVILLE UNIT #5
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2909	GEN337125 6-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2824	GEN337006 1-DUKE MCADAMS G1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2824	GEN337007 1-DUKE MCADAMS G2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2819	GEN335203 1-NELSON UNIT 3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2752	GEN515266 1-AES 1G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2752	GEN515267 1-AES 2G
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2645	GEN337008 1-DUKE MCADAMS S1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2548	GEN547649 1-ASBURY UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.247	GEN501911 1-ACADIA UNIT CT1A
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.247	GEN501912 1-ACADIA UNIT CT1B
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2382	GEN336167 1-GULF OXY U1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2382	GEN336168 1-GULF OXY U2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2382	GEN336169 1-GULF OXY U3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2352	GEN336944 1-REX BROWN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2324	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2324	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2286	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.219	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2176	GEN542955 1-LACYGNE UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2101	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2074	GEN335075 1-DYNEGY#1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2074	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2057	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.2056	GEN335570 1-CARVILLE CTG
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.1866	GEN335572 1-CARVILLE STG
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.178	GEN560687 1-G11-007 0.5750
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.1711	GEN338500 1-MCLELLAN UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.1702	GEN560323 1-G10-40 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.1638	GEN520812 1-ANADRK5
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.1637	GEN514912 2-REBUD GEN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0973	GEN511851 1-COMANCHE #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0826	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0649	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0319	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0312	GEN335201 1-NELSON UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0228	GEN520813 1-ANADRK6
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0171	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	104.0034	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9954	GEN334456 1-CONOCO UNIT#1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9917	GEN338510 1-151KNWRI
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9917	GEN338511 1-1C7KNWRI
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9867	GEN520811 1-ANADRK4
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9857	GEN503900 1-FITZHUGH CT1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9677	GEN511843 1-RIVERSIDE STATION #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9637	GEN335202 1-NELSON UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9567	GEN506749 1-EASTMAN GENERATION A
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9496	GEN509409 1-WILKES #3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9374	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9287	GEN560169 1-G08-13 0.5750
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9085	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9082	GEN337124 5-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.9031	GEN547656 1-STATE LINE UNIT #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8844	GEN335137 C4-PPG
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8824	GEN300016 1-1G1GPDEL 18.000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8824	GEN300017 1-1G2GPDEL 18.000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.879	GEN509408 1-WILKES #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8754	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8715	GEN521214 1-BLUCAN2 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8634	GEN511852 1-COMANCHE #2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8537	GEN334467 1-DUPONT UNIT#1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8518	GEN511853 1-COMANCHE #3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8511	GEN500915 3-WESTERN KRAFT
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8349	GEN334335 1-TOLEDO BEND
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.8213	GEN335546 3-DOW COGEN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.797	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.797	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7947	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7947	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7947	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7947	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7869	GEN335644 1-EXXON UNITS
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7685	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.765	GEN560118 1-G08-46 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.7647	GEN337054 1-GREENWOOD
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.4381	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.4378	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.4377	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.4337	BASE CASE
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.4337	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.2979	GEN599891 1-OKLAUN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.1603	GEN560694 1-G11-008-2 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.1601	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.1484	DOLET HILLS 345/230KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.1061	GEN560238 1-G10-09 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0913	GEN531493 1-CNTRPLWLG1 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.09	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0896	GEN523815 1-LLANO ESTACADO WIND GEN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0811	GEN523160 1-DWS FRISCO
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0811	GEN539945 1-FLATRDWDWG1 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0783	GEN524485 1-CAPROCK WIND GEN
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0746	GEN560432 1-G08-124 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0718	GEN560659 1-G07-38 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0695	GEN560356 1-G10-53 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0693	GEN560693 1-G11-008-1 0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0633	GEN562035 1-G11_016_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0542	GEN560549 1-G06-06	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0421	GEN560180 1-G07-51	0.6000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0421	GEN560209 1-G07-40	0.5750
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0272	GEN560329 1-G10-45	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	103.0081	GEN515397 1-OUSPR1 1	34.500
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.9837	GEN562032 1-G11_017_3	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.9829	GEN560522 1-G05-12	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.9747	GEN515364 1-CENT 11	0.6000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.9367	GEN522814 1-LUBBOCK POWER & LIGHT-MACKENZIE GEN	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.9199	GEN524895 1-SAN JUAN MESA WIND GEN	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.9147	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.8917	GEN560173 1-G08-17	0.5750
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.8835	GEN562014 1-G11_023_3	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.8722	GEN539677 3-A. M. MULLERGEN GENERATOR	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.8545	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.8225	GEN515393 1-OGEWND2G	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.6946	GEN560170 1-G08-16	34.500
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.6933	GEN560595 1-G06-47	0.6000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.6921	GEN560592 1-G06-45	0.6000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.5838	GEN560279 1-G08-18	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.5241	GEN560105 1-G08-22	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.5013	GEN560221 1-G07-62-1	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.5013	GEN560222 1-G07-62-2	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.484	GEN560223 1-G07-62-3	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.484	GEN560224 1-G07-62-4	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.4699	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.4378	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.3919	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.3771	GEN560429 1-G08-29	0.6400
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.3418	GEN560359 1-G08-51	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.2814	GEN560187 1-G10-07	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.2562	GEN523926 1-MAJESTIC WIND	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.2106	GEN560166 1-G07-48	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.1479	GEN562023 1-G11_020_3	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.1479	GEN562026 1-G11_019_3	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	102.0098	GEN523195 1-Hansford County Switch Station	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.9579	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.9577	GEN523462 1-BLACKHAWK GEN #2	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	101.5994	GEN562049 1-G11_012_3	0.6900
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	100.8647	GEN560585 1-G06-44-2	0.6000
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	100.5014	GEN526331 1-JONES GEN #1 22 KV	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	100.4946	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	100.0555	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26253	100.0555	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26252	103.7678	CRAIG - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26248	103.0325	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26246	103.0166	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26245	103.1352	ARKANSAS NUCLEAR ONE - MABELVALE 500 500KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26244	102.8892	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26243	102.8714	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2624	102.9833	LACYGNE - STILWELL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26238	103.9379	TOLK STATION EAST - TUCCO INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26233	103.017	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26231	102.9161	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2623	102.7587	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26229	103.8216	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26226	102.9713	GRDA-OPGD-05	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26221	103.7652	NORTHEAST STATION - TULSA NORTH 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26193	103.0743	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26193	103.0738	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26167	104.0905	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26161	103.9229	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2616	103.0441	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26144	102.8507	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26122	104.4089	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26122	103.8824	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26122	102.4879	CLEVELAND - SOONER 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26091	103.1135	SOONER - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26089	102.8806	PITTSBURG - VALLIANT 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26057	102.7547	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26002	101.8128	REDDUB - RIVERSIDE STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25916	101.7541	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25751	102.4504	ARCADIA - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25693	102.7555	MATTHEWSON 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23831	102.8524	DBL-THIS-WWR
FDNS	02ALL	2	12G	G11_014	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.21802	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.21802	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21597	114.0742	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21182	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21182	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	12G	G11_014	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.20027	155.4818	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2	12G	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.22395	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	3	2	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25265	100.6852	DBL-WICH-THI
FDNS	2	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36829	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32991	118.6835	DBL-WICH-THI
FDNS	2	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28037	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	2	12G	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.2159	103.6827	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	1	2	12G	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.22131	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	1	2	12G	G11_014	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.22331	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	12G	G11_014	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.22331	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	3	2	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25265	100.6852	DBL-WICH-THI
FDNS	02ALL	3	12G	G11_014	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.54788	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_014	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.54788	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	3	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23709	103.3402	DBL-THIS-WWR
FDNS	02ALL	3	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21103	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_014	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21103	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	4	12G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22117	111.6575	DBL-WICH-THI
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03336	110.1081	WOODWARD (WOODWRD) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03312	109.4439	WOODWARD (WOODWRD) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.0307	106.5738	WOODWARD (WOODWRD) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_014	FROM->TO	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	1328	0.24819	117.809	DBL-BVR-WWRD
FDNS	02NR	3	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.20299	101.9096	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	4	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.20146	101.1843	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.19777	104.5353	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	00NR	2	17WP	G11_014	FROM->TO	LAWEASOKLUNI	425	0.16389	102.6	BASE CASE
FDNS	02NR	4	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16381	109.7988	DBL-BVR-WWRD
FDNS	00NR	3	17WP	G11_014	FROM->TO	LAWEASOKLUNI	425	0.16131	101.6	BASE CASE
FDNS	00NR	4	12WP	G11_014	FROM->TO	LAWEASOKLUNI	425	0.16013	102.6	BASE CASE
FDNS	00NR	2	12WP	G11_014	FROM->TO	LAWEASOKLUNI	425	0.15874	103.9	BASE CASE
FDNS	02NR	3	12G	G11_014	FROM->TO	LAWEASOKLUNI	425	0.15743	126	BASE CASE
FDNS	00NR	3	12WP	G11_014	FROM->TO	LAWEASOKLUNI	425	0.15699	102	BASE CASE
FDNS	02NR	2	12G	G11_014	FROM->TO	LAWEASOKLUNI	425	0.15645	127.6	BASE CASE
FDNS	02NR	3	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13926	114.5991	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	3	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13926	110.912	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	4	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13821	113.8119	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	4	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13821	110.5612	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13575	112.6223	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13575	109.6134	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.12279	115.8707	DBL-THIS-WWR
FDNS	02NR	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.11342	121.9385	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10816	100.7063	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10759	107.1262	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10669	109.703	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10675	109.8838	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10671	117.3272	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17WP	G11_014	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10612	121.8174	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_014	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10557	126.1801	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	3	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10351	101.8185	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10351	101.7142	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10351	100.8213	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10351	100.8076	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10266	102.4574	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10266	102.2211	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10266	101.5274	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	4	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10266	101.4353	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.10222	102.233	DBL-FINY-HOL
FDNS	02NR	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.10222	100.4888	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	00NR	2	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	102.0684	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	101.9642	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	101.0703	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	101.0561	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_014	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10096	105.3344	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10016	120.8991	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.08134	100	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_014	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.0777	101.6	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07198	132.2325	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07198	132.2325	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0715	130.9086	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0715	130.9086	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.05339	131.8545	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.05339	131.8545	DBL-HTCH-BVR
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04624	101.782	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04624	101.5804	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04587	145.8234	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04585	128.7682	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04573	104.0257	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04573	103.9016	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04531	148.0577	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04528	130.9194	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	100.4691	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	100.2656	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04266	145.7817	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04262	128.7393	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04255	162.9021	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04255	162.8442	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04253	103.0187	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04253	102.8928	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04226	161.8642	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04226	161.8074	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04211	148.1131	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04204	130.9549	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04203	248.5535	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.04203	138.5378	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04202	248.5616	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.04202	138.5424	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0415	101.7442	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0415	101.023	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04066	102.736	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04066	102.5407	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04026	105.1232	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04026	105.0023	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04008	162.4277	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04001	156.987	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04001	156.9357	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0398	161.2752	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03968	100.5531	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03847	147.5029	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03845	128.6336	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03845	103.078	DBL-THIS-WWR
FDNS	02NR	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.03818	108.2996	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.03818	100.671	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03804	149.5653	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03799	130.9652	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03798	238.5634	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	4	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03798	133.1997	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03798	107.5654	DBL-THIS-WWR
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03751	101.0664	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03751	100.3526	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0373	156.1559	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03725	101.6844	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03725	100.784	DEWEY - IODINE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING (% MVA)	CONTINGENCY
							(MVA)	TDF		
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03722	121.9639	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03722	120.409	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03716	102.9984	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03716	102.2806	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	154.9649	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	151.3514	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03696	102.5751	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03696	101.7036	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03689	124.0479	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03689	122.4996	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03675	153.8639	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03675	150.2618	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03593	106.3404	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03589	130.3631	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03589	110.3262	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03579	107.0254	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03569	133.5062	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03569	114.0066	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03532	110.2181	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03531	110.2203	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03522	113.7034	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0352	130.8669	DBL-WICH-THI
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03505	117.9939	DBL-WICH-THI
FDNS	02NR	2	12G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03505	101.4598	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.709	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0349	101.744	DBL-THIS-WWR
FDNS	02NR	3	12G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.0348	100.8345	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03471	201.424	DBL-THIS-WWR
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03471	112.9912	DBL-THIS-WWR
FDNS	00NR	3	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03452	100.4505	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0345	120.3931	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0345	118.8314	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03447	200.1155	DBL-THIS-WWR
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03447	112.2786	DBL-THIS-WWR
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03445	193.9326	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03445	192.9318	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03445	108.7104	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03445	108.1768	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03443	106.3503	DBL-THIS-WWR
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03434	108.2022	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03434	108.2022	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	3	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03421	101.2966	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03421	100.4266	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03418	192.4752	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03418	191.4755	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03418	107.9194	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03418	107.3865	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03416	122.5975	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03416	121.0774	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03397	110.6715	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03397	110.6715	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03336	196.2819	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03336	184.2444	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03336	103.3433	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	3	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03333	105.2939	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03331	129.0135	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03331	109.0016	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	3	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03315	105.9487	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03312	195.0584	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03312	182.4684	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03312	102.4656	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03309	132.2942	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03309	112.7924	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03278	209.4596	DBL-WICH-THI
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03278	117.4432	DBL-WICH-THI
FDNS	00NR	3	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03278	112.6897	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03277	129.5966	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03277	102.5651	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03277	102.5651	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0327	149.3034	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0327	146.4669	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FDNS	00NR	3	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03258	116.9643	DBL-WICH-THI	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03256	208.2763	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03256	137.5802	DBL-WICH-THI	
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03256	116.8004	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03245	106.0995	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03245	106.0995	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03239	100.8838	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03239	100.2114	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03216	100.2506	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03202	103.8493	GEN520998 1-MORLND3	
FDNS	00NR	2	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03202	102.301	GEN520997 1-MORLND2	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.3307	BENTON - WICHITA 345KV CKT 1	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	130.9564	GEN520998 1-MORLND3	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	128.6883	GEN520997 1-MORLND2	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	107.5829	BASE CASE	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	102.0342	GEN514805 1-SOONER UNIT 1	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	101.4424	GEN336821 1-GRAND GULF UNIT	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	100.8124	GEN336153 1-WATERFORD UNIT#3	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	100.6061	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	100.3515	GEN560180 1-G07-51 0.6000	
FDNS	00NR	2	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03194	105.7923	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0319	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0319	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02NR	4	12G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03189	104.7631	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	4	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03188	102.032	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	4	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03188	101.1351	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03185	123.3644	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03185	121.8118	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0318	102.1462	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03175	104.421	GEN520998 1-MORLND3	
FDNS	00NR	2	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03175	102.8754	GEN520997 1-MORLND2	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03171	178.5215	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03171	178.5215	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03171	100.7982	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03171	100.7982	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	128.7832	GEN520998 1-MORLND3	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	126.8149	GEN520997 1-MORLND2	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	110.5742	BASE CASE	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	103.1221	GEN514805 1-SOONER UNIT 1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.9995	GEN560180 1-G07-51 0.6000	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.6706	GEN336821 1-GRAND GULF UNIT	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.1524	GEN336153 1-WATERFORD UNIT#3	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.1157	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	101.385	GEN335831 1-RIVERBEND UNIT#1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	101.1286	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.8722	GEN514806 1-SOONER UNIT 2	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.4658	GEN501801 1-DOLET HILLS UNIT1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.2921	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.2164	GEN515042 1-SEMINOLE 3G	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.1877	GEN509403 1-PIRKEY GENERATION	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.1516	GEN509416 1-TURK GENERATION	
FDNS	00NR	4	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03165	103.0818	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	4	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03165	102.2135	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03162	186.5957	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03162	185.6025	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	4	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03162	104.8565	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02NR	4	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03162	104.3275	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03158	125.3354	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03158	123.8178	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03155	110.2545	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03154	177.7379	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03154	177.7379	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03154	100.3716	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02NR	3	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03154	100.3716	MATTHEWSON 345.00 - TATONGA7	345.00 345KV CKT 2
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03153	109.8855	MATTHEWSON 345.00 - TATONGA7	345.00 345KV CKT 1
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03153	109.8855	MATTHEWSON 345.00 - TATONGA7	345.00 345KV CKT 2
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03142	167.69	DEWEY - TALOGA 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03142	150.9672	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03125	166.8028	DEWEY - TALOGA 138KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03122	149.9498	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03101	171.3319	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03101	171.3319	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	00NR	4	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03084	106.8368	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03081	163.0611	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03081	162.3842	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03081	162.3822	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0308	131.8738	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0308	111.8601	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03079	170.2141	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03079	170.2141	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	00NR	4	17WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03074	114.0488	DBL-WICH-THI	
FDNS	00NR	4	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03073	131.9972	DBL-WICH-THI	
FDNS	00NR	4	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03073	107.6838	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0307	189.5543	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0307	177.53	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03065	134.9426	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03065	115.4351	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	4	12WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03061	118.6786	DBL-WICH-THI	
FDNS	02NR	4	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0306	203.7416	DBL-WICH-THI	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0306	152.3817	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0306	152.1499	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02NR	4	12G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.0306	114.4748	DBL-WICH-THI	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03059	161.9881	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03059	161.312	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03059	161.31	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03058	139.9333	DBL-WICH-THI	
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03043	101.3931	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	3	17SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03043	101.3931	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03041	176.9778	DBL-FINY-HOL	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03041	174.504	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03041	166.3189	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0304	151.3627	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0304	151.1304	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03036	157.2093	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03036	157.0773	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03036	156.6667	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03035	171.2696	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03035	171.2696	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03035	164.8684	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03035	163.4761	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	00NR	4	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03033	100.1059	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03032	163.4465	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03032	162.4698	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0302	175.9611	DBL-FINY-HOL	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0302	173.493	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0302	165.2923	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0302	163.1217	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03017	163.9594	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03017	162.5577	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03016	156.1708	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03016	156.0385	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03016	155.6269	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03015	170.1898	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03015	170.1898	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03015	100	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03012	105.0456	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	3	12SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03012	105.0456	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03011	162.3893	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	3	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03011	161.4133	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03006	164.2861	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03003	157.6914		WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03003	157.411		WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02NR	2	12G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03	154.5867		MOORELAND - TALOGA 138KV CKT 1
FNSL-Blown up	2	2	12G	G11_016		Non Converged Contingency	0	0.03234	-		DBL-HTCH-BVR
FNSL-Blown up	2	3	12G	G11_016		Non Converged Contingency	0	0.03173	-		DBL-BVR-WWRD
FNSL-Blown up	02ALL	0	12G	G11_016		Non Converged Contingency	0	0.27645	-		DBL-WICH-THI
FNSL-Blown up	3	0	12G	G11_016		Non Converged Contingency	0	0.27744	-		DBL-WICH-THI
FNSL-Blown up	3	0	12G	G11_016		Non Converged Contingency	0	0.44577	-		DBL-THIS-CLR
FNSL-Blown up	01ALL	0	12G	G11_016		Non Converged Contingency	1195	0.10546	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	12G	G11_016		Non Converged Contingency	1195	0.10546	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.44509	-		DBL-THIS-CLR
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.44509	-		DBL-SPRVL-CL
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.27585	-		DBL-WICH-THI
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.16793	-		DBL-THIS-WWR
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.15627	-		DBL-FINY-HOL
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.03446	-		TRF-STEGALL
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	0	0.0318	-		SPP-MKEC-08
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	355.3	0.08541	-		MULLERGREN - SPEARVILLE 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	319	0.06624	-		CIRCLE - MULLERGREN 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	398	0.067	-		KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	319	0.05797	-		SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	330	0.05797	-		KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1195	0.09936	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1052	0.15627	-		Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1052	0.15627	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	717	0.06287	-		GRAND ISLAND - SWEETWATER 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	717	0.06679	-		MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1793	0.22254	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1793	0.22254	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1195	0.09936	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.19861	-		G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1328	0.23091	-		GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1195	0.0386	-		GEN542962 2-IATAN UNIT #2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		GEN532722 1-EVANS ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.13792	-		GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	956	0.07345	-		AXTELL - PAULINE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	559	0.06688	-		POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1328	0.06238	-		MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.19861	-		G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1328	0.06113	-		HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	956	0.08303	-		SUMNERCO 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.12521	-		AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	956	0.05198	-		GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1793	0.22254	-		CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1793	0.22254	-		CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	956	0.04288	-		EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.08396	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1792	0.08396	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_016		Non Converged Contingency	1328	0.23091	-		GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	02ALL	2	12G	G11_016		Non Converged Contingency	0	0.26737	-		DBL-WICH-THI
FNSL-Blown up	02ALL	2	12G	G11_016		Non Converged Contingency	0	0.03051	-		DBL-HTCH-BVR
FNSL-Blown up	02ALL	2	12G	G11_016		Non Converged Contingency	0	0.03051	-		DBL-BVR-WWRD
FNSL-Blown up	3	2	12G	G11_016		Non Converged Contingency	0	0.37222	-		DBL-THIS-CLR
FNSL-Blown up	2	2	12G	G11_016		Non Converged Contingency	0	0.03234	-		DBL-BVR-WWRD
FNSL-Blown up	0	2	12SP	G11_016		Non Converged Contingency	0	0.0316	-		TRF-STEGALL
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1195	0.08978	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1195	0.08978	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.08247	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.08247	-		THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1052	0.13918	-		Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1052	0.13918	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.16433	-		G11-17T 345.00 - POST ROCK 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.11309	-		AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	319	0.04225	-		SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1328	0.05109	-		HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1328	0.20347	-		GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1328	0.05258	-		MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	717	0.05766	-		MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1195	0.15836	-		MULGREN7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.16433	-		G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1051	0.07199	-		JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1195	0.15836	-		MULGREN7 345.00 - RENO COUNTY 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.1037	-		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1792	0.1037	-		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	355.3	0.06659	-		MULLERGREN - SPEARVILLE 230KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1793	0.18598	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	1793	0.18598	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	956	0.06544	-		AXTELL - PAULINE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	956	0.04486	-		GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	717	0.05577	-		GRAND ISLAND - SWEETWATER 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	0	0.2074	-		DBL-WICH-THI
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	0	0.16493	-		DBL-THIS-WWR
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	0	0.37195	-		DBL-THIS-CLR
FNSL-Blown up	03ALL	2	12G	G11_016		Non Converged Contingency	0	0.37195	-		DBL-SPRVL-CL
FNSL-Blown up	3	2	12G	G11_016		Non Converged Contingency	0	0.37222	-		DBL-THIS-CLR
FNSL-Blown up	03G11_016	2	12G	G11_016		Non Converged Contingency	0	0.37247	-		DBL-THIS-CLR
FNSL-Blown up	02ALL	3	12G	G11_016		Non Converged Contingency	0	0.26636	-		DBL-WICH-THI
FNSL-Blown up	02ALL	3	12G	G11_016		Non Converged Contingency	0	0.03399	-		TRF-STEGALL
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	1052	0.12977	-		Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	1052	0.12977	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	1792	0.14581	-		G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	1328	0.18847	-		GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	1793	0.16601	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	1793	0.16601	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	0	0.1701	-		DBL-WICH-THI
FNSL-Blown up	03ALL	3	12G	G11_016		Non Converged Contingency	0	0.33201	-		DBL-THIS-CLR
FNSL-Blown up	02ALL	4	12G	G11_016		Non Converged Contingency	0	0.26191	-		DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_016		Non Converged Contingency	0	0.12293	-		DBL-BVR-WWRD
FNSL-Blown up	03ALL	4	12G	G11_016		Non Converged Contingency	0	0.29063	-		DBL-THIS-CLR
FNSL-Blown up	03NR	2	12G	G11_016		Non Converged Contingency	0	0.12107	-		DBL-THIS-CLR
FNSL-Blown up	03NR	3	12G	G11_016		Non Converged Contingency	0	0.10756	-		DBL-THIS-CLR
FDNS	2	2	12G	G11_016	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.20541	118.6835		DBL-WICH-THI
FDNS	03NR	2	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.05148	139.0261		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.05148	119.3234		G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	2	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.04665	109.2983		DBL-SPRVL-CL
FDNS	03NR	3	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.04238	116.3678		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.03871	107.794		MULGREN7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	2	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.03871	107.5048		MULGREN7 345.00 - RENO COUNTY 345KV CKT 1
FDNS	03NR	4	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.03855	110.5053		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	355.3	0.0351	110.2151		DBL-WICH-THI
FNSL-Blown up	02ALL	0	12G	G11_017		Non Converged Contingency	0	0.20996	-		DBL-WICH-THI
FNSL-Blown up	03G11_017	0	12G	G11_017		Non Converged Contingency	0	0.21183	-		DBL-WICH-THI
FNSL-Blown up	03G11_017	0	12G	G11_017		Non Converged Contingency	0	0.36253	-		DBL-THIS-CLR
FNSL-Blown up	3	0	12G	G11_017		Non Converged Contingency	0	0.21094	-		DBL-WICH-THI
FNSL-Blown up	3	0	12G	G11_017		Non Converged Contingency	0	0.36103	-		DBL-THIS-CLR
FNSL-Blown up	01ALL	0	12G	G11_017		Non Converged Contingency	1195	0.09207	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	12G	G11_017		Non Converged Contingency	1195	0.09207	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03G11_017	0	12G	G11_017		Non Converged Contingency	0	0.36253	-		DBL-THIS-CLR
FNSL-Blown up	03G11_017	0	12G	G11_017		Non Converged Contingency	0	0.21183	-		DBL-WICH-THI
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	0	0.36035	-		DBL-THIS-CLR
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	0	0.36035	-		DBL-SPRVL-CL
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	0	0.20936	-		DBL-WICH-THI
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	0	0.15418	-		DBL-THIS-WWR
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	0	0.14321	-		DBL-FINY-HOL
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	0	0.03662	-		TRF-STEGALL
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	319	0.07344	-		CIRCLE - MULLERGREN 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	398	0.1241	-		KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	319	0.09645	-		SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	330	0.09645	-		KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1195	0.08596	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1052	0.14321	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1052	0.14321	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	717	0.0761	-	GRAND ISLAND - SWEETWATER 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	717	0.03619	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1793	0.18017	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1793	0.18017	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1195	0.08596	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.40279	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1328	0.1745	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.10468	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	956	0.10141	-	AXTELL - PAULINE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	559	0.06401	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	956	0.08248	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.20285	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1793	0.18017	-	CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1793	0.18017	-	CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.07709	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1792	0.07709	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_017		Non Converged Contingency	1328	0.1745	-	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03G11_017	0	12G	G11_017		Non Converged Contingency	0	0.21183	-	DBL-WICH-THI
FNSL-Blown up	03G11_017	0	12G	G11_017		Non Converged Contingency	0	0.36253	-	DBL-THIS-CLR
FNSL-Blown up	02ALL	2	12G	G11_017		Non Converged Contingency	0	0.20232	-	DBL-WICH-THI
FNSL-Blown up	00G11_017	2	12SP	G11_017		Non Converged Contingency	0	0.03077	-	TRF-STEGALL
FNSL-Blown up	3	2	12G	G11_017		Non Converged Contingency	0	0.30567	-	DBL-THIS-CLR
FNSL-Blown up	0	2	12SP	G11_017		Non Converged Contingency	0	0.03378	-	TRF-STEGALL
FNSL-Blown up	0	2	12SP	G11_017		Non Converged Contingency	0	0.03078	-	TRF-STEGALL
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1195	0.0788	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1195	0.0788	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1792	0.07597	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1792	0.07597	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1052	0.13038	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1052	0.13038	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1792	0.37696	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1792	0.19381	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	319	0.08466	-	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1328	0.15388	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1195	0.11921	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1051	0.07004	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1195	0.11921	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1792	0.07898	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1792	0.07898	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1793	0.15271	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	1793	0.15271	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	956	0.09543	-	AXTELL - PAULINE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	717	0.0708	-	GRAND ISLAND - SWEETWATER 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	0	0.15796	-	DBL-WICH-THI
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	0	0.15194	-	DBL-THIS-WWR
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	0	0.30541	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	2	12G	G11_017		Non Converged Contingency	0	0.30541	-	DBL-SPRVL-CL
FNSL-Blown up	3	2	12G	G11_017		Non Converged Contingency	0	0.30567	-	DBL-THIS-CLR
FNSL-Blown up	03G11_017	2	12G	G11_017		Non Converged Contingency	0	0.30635	-	DBL-THIS-CLR
FNSL-Blown up	02ALL	3	12G	G11_017		Non Converged Contingency	0	0.20132	-	DBL-WICH-THI
FNSL-Blown up	02ALL	3	12G	G11_017		Non Converged Contingency	0	0.03622	-	TRF-STEGALL
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	1052	0.12327	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	1052	0.12327	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	1792	0.36303	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	1328	0.14258	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	1793	0.13767	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	1793	0.13767	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	0	0.12991	-	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	03ALL	3	12G	G11_017		Non Converged Contingency	0	0.27534	-	DBL-THIS-CLR
FNSL-Blown up	02ALL	4	12G	G11_017		Non Converged Contingency	0	0.19746	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_017		Non Converged Contingency	0	0.10249	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	4	12G	G11_017		Non Converged Contingency	0	0.23846	-	DBL-THIS-CLR
FNSL-Blown up	03NR	2	12G	G11_017		Non Converged Contingency	0	0.05453	-	DBL-THIS-CLR
FNSL-Blown up	03NR	3	12G	G11_017		Non Converged Contingency	0	0.05084	-	DBL-THIS-CLR
FDNS	11ALL	0	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.20944	103.9074	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	11ALL	2	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.20943	103.5058	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	11ALL	3	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.20943	104.1722	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	2	12G	G11_017	TO->FROM	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	398	0.11109	106.4693	AXTELL - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G11_017	TO->FROM	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	398	0.07909	102.2086	DBL-WICH-THI
FDNS	03NR	2	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.06847	113.0123	AXTELL - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.05163	100.8685	DBL-SPRVL-CL
FDNS	03NR	2	12G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	355.3	0.05148	139.0261	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.04821	111.5985	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	2	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.04821	111.5299	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1
FDNS	03NR	2	12G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.04619	117.9172	DBL-WICH-THI
FDNS	03NR	3	12G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	355.3	0.04238	116.3678	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	4	12G	G11_017	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.03897	111.4126	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	4	12G	G11_017	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	99	0.03897	106.7623	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	2	12G	G11_017	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.03861	138.8715	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	2	12G	G11_017	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	99	0.03861	134.22	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	2	12G	G11_017	FROM->TO	SOUTH HAYS (S HAYS T1) 230/115/12.47KV TRANSFORMER CKT 1	166.7	0.03861	103.5837	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	2	12G	G11_017	FROM->TO	SOUTH HAYS (S HAYS T1) 230/115/12.47KV TRANSFORMER CKT 1	166.7	0.03861	103.4616	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	4	12G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	355.3	0.03855	110.5053	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	3	12G	G11_017	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.0385	117.4009	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03NR	3	12G	G11_017	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	99	0.0385	112.7851	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FNSL-Blown up		3	0	12G	G11_018	Non Converged Contingency	0	0.06973	-	DBL-THIS-CLR
FNSL-Blown up	01ALL	0	12G	G11_018		Non Converged Contingency	1195	0.03231	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	12G	G11_018		Non Converged Contingency	1195	0.03231	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	0	0.09856	-	DBL-THIS-WWR
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	0	0.07867	-	DBL-FINY-HOL
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	0	0.06905	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	0	0.06905	-	DBL-SPRVL-CL
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1052	0.07867	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1052	0.07867	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1793	0.03453	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1793	0.03453	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	559	0.05058	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	956	0.06532	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1793	0.03453	-	CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1793	0.03453	-	CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1051	0.03295	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1792	0.04928	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_018		Non Converged Contingency	1792	0.04928	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	3	2	12G	G11_018		Non Converged Contingency	0	0.0688	-	DBL-THIS-CLR
FNSL-Blown up	3	2	12G	G11_018		Non Converged Contingency	0	0.0466	-	ATC_B2_8E2
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	1792	0.04928	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	1792	0.04928	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	1052	0.07855	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	1052	0.07855	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	1793	0.03427	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	1793	0.03427	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	0	0.09857	-	DBL-THIS-WWR
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	0	0.06854	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	2	12G	G11_018		Non Converged Contingency	0	0.06854	-	DBL-SPRVL-CL
FNSL-Blown up	3	2	12G	G11_018		Non Converged Contingency	0	0.0688	-	DBL-THIS-CLR
FNSL-Blown up	3	2	12G	G11_018		Non Converged Contingency	0	0.0466	-	ATC_B2_8E2
FNSL-Blown up	0	3	12WP	G11_018		Non Converged Contingency	0	0.04263	-	ATC_B2_8E2
FNSL-Blown up	03ALL	3	12G	G11_018		Non Converged Contingency	1052	0.07833	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_018		Non Converged Contingency	1052	0.07833	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_018		Non Converged Contingency	1793	0.03399	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_018		Non Converged Contingency	1793	0.03399	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	3	12G	G11_018		Non Converged Contingency	0	0.06798	-	DBL-THIS-CLR
FNSL-Blown up	3	3	12G	G11_018		Non Converged Contingency	0	0.04658	-	ATC_B2_8E2
FNSL-Blown up	03ALL	4	12G	G11_018		Non Converged Contingency	0	0.05014	-	DBL-THIS-CLR
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.05205	287.909	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.06753	207.6678	MOORE (MOORE T1) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.05757	192.9273	KNOB HILL - STEELE CITY 115KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03496	196.1642	103RD & ROKEBY - MOORE 345KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03434	203.3029	MOORE - NW68TH & HOLDREGE 345KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03427	199.3774	FIRTH - SHELDON 115KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03427	193.8557	FIRTH - STERLING 115KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03427	193.8493	STERLING 115/69KV TRANSFORMER CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03427	193.576	LN-FIRTH	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03359	192.8193	KELLY - MADISONCO 230.00 230KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	195.1579	GEN645001 1-FORT CALHOUN 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	193.226	GEN645012 2-NEBRASKA CITY 2	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	185.8943	BASE CASE	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	179.1077	LN-STOCKVILL	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	179.072	LN-1094	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	178.9135	NEB02WAPAB2	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	178.3657	LN-WAPA4	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	176.233	GEN562029 1-G11_018_3 0.6900	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	168.4394	GEN640022 1-BEATRICE POWER STATION UNIT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	168.439	GEN640023 2-BEATRICE POWER STATION UNIT 2	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	168.1082	GEN640019 1-SHELDON STATION UNIT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	166.249	GEN640024 3-BEATRICE POWER STATION UNIT 3	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03358	159.4293	GEN640020 2-SHELDON STATION UNIT 2	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03319	208.2326	103RD & ROKEBY - WAGENER 345KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03281	196.4753	84TH & LEIGHTON - WAGENER 115KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03253	199.2798	WAGENER (T852) 345/115/13.8KV TRANSFORMER CKT 2	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03243	200.498	WAGENER (T851) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03231	192.8581	CRETE - SHELDON 115KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.03088	216.4857	NW68TH & HOLDREGE (T141) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	09NR_BPSON	0	12G	G11_018	FROM->TO	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2	43	0.0307	175.8055	ROKEBY - SW7TH & PLEASANT HILL 115KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_019		Non Converged Contingency	0	0.33368	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	G11_019		Non Converged Contingency	0	0.25009	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	G11_019		Non Converged Contingency	0	0.08497	-	DBL-FINY-HOL	
FNSL-Blown up	3	0	12G	G11_019		Non Converged Contingency	0	0.25107	-	DBL-WICH-THI	
FNSL-Blown up	01ALL	0	12G	G11_019		Non Converged Contingency	1195	0.24755	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_019		Non Converged Contingency	1052	0.08497	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_019		Non Converged Contingency	1324	0.03543	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_019		Non Converged Contingency	1195	0.24755	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	0	0.24949	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1195	0.24144	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	717	0.03025	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	717	0.04503	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1195	0.24144	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.05662	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1195	0.0503	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.12474	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	956	0.03187	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	559	0.0651	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1328	0.04596	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.05662	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1328	0.04846	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1324	0.03883	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1792	0.04641	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	956	0.03521	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1052	0.03883	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	956	0.05926	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_019		Non Converged Contingency	1052	0.03883	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_019		Non Converged Contingency	0	0.22457	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	2	12G	G11_019		Non Converged Contingency	0	0.07758	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G11_019		Non Converged Contingency	1052	0.07758	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1195	0.2397	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1195	0.2397	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1792	0.04978	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1792	0.04431	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1328	0.0465	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1328	0.04409	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	717	0.04336	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1195	0.03127	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1792	0.04978	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1051	0.04523	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1195	0.03127	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1792	0.11819	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1792	0.11819	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	956	0.03046	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	956	0.03391	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	0	0.23639	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_019		Non Converged Contingency	1324	0.03825	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_019		Non Converged Contingency	1052	0.0768	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_019		Non Converged Contingency	0	0.22347	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_019		Non Converged Contingency	0	0.0768	-	DBL-FINY-HOL	
FNSL-Blown up	03ALL	3	12G	G11_019		Non Converged Contingency	1792	0.04615	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_019		Non Converged Contingency	0	0.22911	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_019		Non Converged Contingency	0	0.22633	-	DBL-WICH-THI	
FNSL	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7714	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7089	SPP-WERE-07C	
FNSL	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	118.4243	GEN336153 1-WATERFORD UNIT#3	
FNSL	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	113.2862	GEN336153 1-WATERFORD UNIT#3	
FNSL	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.9264	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.8671	SPP-WERE-07C	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.0195	SPP-WERE-07C	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.0774	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30395	104.0029	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30393	104.0475	SWISHER COUNTY INTERCHANGE - TUO INTERCHANGE 230KV CKT 1	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8493	GEN523277 1-VALERO SUB	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3372	GEN560584 1-G06-44-1 0.6000	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.8321	GEN527162 1-MUSTANG GEN #2	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.4316	GEN527161 1-MUSTANG GEN #1	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.338	GEN527902 1-HOBBS PLANT #2 (CT)	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.3231	GEN527901 1-HOBBS PLANT #1 (CT)	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.0465	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FNSL	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.301	GEN527903 1-HOBBS PLANT #3 (ST)	
FNSL	01G11_019	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.25785	114.3718	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01G11_019	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.25785	114.3718	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01ALL	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.25875	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01ALL	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.25875	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01NR	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.32461	114.0523	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01NR	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.32461	114.0523	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12291	119.4378	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12291	119.4075	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08779	123.4564	DBL-WICH-THI	
FNSL	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08739	122.2297	DBL-WICH-THI	
FNSL	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08137	105.4326	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08137	105.4326	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08112	104.6013	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08112	104.6013	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.05448	150.4867	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.05446	150.0025	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03659	148.9802	DBL-WICH-THI	
FNSL	01NR	2	12G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03644	184.4672	DBL-WICH-THI	
FNSL	01NR	2	12G	G11_019	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03644	180.7371	DBL-WICH-THI	
FNSL	01NR	2	12G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03644	166.4233	DBL-WICH-THI	
FNSL	01NR	3	12G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03639	184.1928	DBL-WICH-THI	
FNSL	01NR	3	12G	G11_019	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03639	180.5032	DBL-WICH-THI	
FNSL	01NR	3	12G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03639	166.2246	DBL-WICH-THI	
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03615	147.6862	DBL-WICH-THI	
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03505	143.7192	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03505	143.7192	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03473	142.7274	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03473	142.7274	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01NR	3	12G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03381	102.368	DBL-WICH-THI
FNSL	01NR	2	12G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03377	102.2124	DBL-WICH-THI
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03369	140.3275	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03319	138.7323	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	140.1015	GEN336821 1-GRAND GULF UNIT
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	139.5891	GEN336153 1-WATERFORD UNIT#3
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	139.0154	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	138.7433	GEN335831 1-RIVERBEND UNIT#1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	138.062	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.4442	GEN337652 1-WHITE BLUFF UNIT #1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.2871	GEN338146 1-INDEPENDENCE UNIT #2
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.2304	GEN501801 1-DOLET HILLS UNIT1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.2192	GEN338143 1-INDEPENDENCE UNIT #1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.0914	GEN337653 1-WHITE BLUFF UNIT #2
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.621	GEN336251 1-NINEMILE POINT UNIT#4
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.5359	GEN509403 1-PIRKEY GENERATION
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.5244	GEN337041 1-GERALD ANDRUS
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.5164	GEN501813 1-RODEMACHER UNIT 3
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.3706	GEN509416 1-TURK GENERATION
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.1443	GEN336831 1-BAXTER WILSON SES
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.141	GEN338388 1-1PLUMPT 23.000
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.0898	GEN501812 1-RODEMACHER UNIT 2
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.0507	GEN515226 1-MUSKOGEE 6G
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.0502	GEN335206 1-NELSON UNIT 6
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.894	GEN335204 1-NELSON UNIT 4
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8688	GEN509406 1-WELSH #3
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8687	GEN509404 1-WELSH #1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8687	GEN509405 1-WELSH #2
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8599	GEN334440 1-SABINE UNIT 4
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.7566	GEN515225 1-MUSKOGEE 5G
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.7561	GEN515223 1-MUSKOGEE 4G
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.4875	GEN334441 1-SABINE UNIT 5
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.4717	GEN336801 1-BAXTER WILSON UNIT #1
FNSL	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.429	GEN512688 2-GRDA1 GSU2 22
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	138.7226	GEN336821 1-GRAND GULF UNIT
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	138.2146	GEN336153 1-WATERFORD UNIT#3
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	137.6607	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	137.3856	GEN335831 1-RIVERBEND UNIT#1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	136.7249	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	136.1172	GEN337652 1-WHITE BLUFF UNIT #1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.9681	GEN338146 1-INDEPENDENCE UNIT #2
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.9026	GEN338143 1-INDEPENDENCE UNIT #1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.8848	GEN501801 1-DOLET HILLS UNIT1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.7711	GEN337653 1-WHITE BLUFF UNIT #2
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.3045	GEN336251 1-NINEMILE POINT UNIT#4
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.2138	GEN337041 1-GERALD ANDRUS
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.2021	GEN509403 1-PIRKEY GENERATION
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.1969	GEN501813 1-RODEMACHER UNIT 3
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.0383	GEN509416 1-TURK GENERATION
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.8434	GEN338388 1-1PLUMPT 23.000
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.8386	GEN336831 1-BAXTER WILSON SES
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.7791	GEN501812 1-RODEMACHER UNIT 2
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.7415	GEN335206 1-NELSON UNIT 6
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5884	GEN335204 1-NELSON UNIT 4
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5541	GEN334440 1-SABINE UNIT 4
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5495	GEN509406 1-WELSH #3
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5494	GEN509405 1-WELSH #2
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5493	GEN509404 1-WELSH #1
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.4582	GEN515225 1-MUSKOGEE 5G
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.4577	GEN515223 1-MUSKOGEE 4G
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.1892	GEN334441 1-SABINE UNIT 5
FNSL	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.1784	GEN336801 1-BAXTER WILSON UNIT #1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30521	104.5	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30395	104.1	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30379	103.8	NORTH MEMPHIS REC - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30379	103.8	MEMPHIS - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30379	103.8	SPP-AEPW-25

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS-CHECK-TC-I	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.7	GEN524286 1-CLR_3 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36712	147.1914	DBL-THIS-WWR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30909	140.4943	DBL-WICH-THI	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27952	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27952	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26028	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36691	136.9326	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36008	135.5058	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	134.7719	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	134.0026	GEN336153 1-WATERFORD UNIT#3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26206	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26206	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	133.3152	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25511	132.9655	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30876	132.8871	DBL-WICH-THI	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26166	132.853	DBL-FINY-HOL	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	132.814	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	131.9628	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26534	131.8818	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26534	131.831	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26166	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	131.0805	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.9163	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.8369	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26028	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.6086	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.5303	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26166	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.8586	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25943	129.8511	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.8409	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26028	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.7529	GEN337041 1-GERALD ANDRUS	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.6935	GEN501813 1-RODEMACHER UNIT 3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.5467	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.4255	GEN520947 1-HUGO1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.4166	GEN509403 1-PIRKEY GENERATION	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.386	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.3847	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.3437	GEN338388 1-PLUMPT 23.000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.2298	GEN560323 1-G10-40 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.2206	GEN336831 1-BAXTER WILSON SES	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.1796	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.1255	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.0854	GEN335206 1-NELSON UNIT 6	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.9622	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.9615	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.877	GEN335204 1-NELSON UNIT 4	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.8222	GEN334440 1-SABINE UNIT 4	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.8037	GEN515042 1-SEMINOLE 3G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25511	128.7551	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25137	128.6482	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.6306	GEN515040 1-SEMINOLE 1G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.5674	GEN509406 1-WELSH #3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.5673	GEN509404 1-WELSH #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.5673	GEN509405 1-WELSH #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.4899	GEN512688 2-GRDA1 GSU2 22	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25268	128.4488	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.4114	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25268	128.3815	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25166	128.3701	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.3279	GEN334441 1-SABINE UNIT 5	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.3217	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25511	128.3098	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25224	128.294	MINGO - RED WILLOW 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25166	128.2715	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.2203	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25137	128.1858	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25163	128.1808	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.1754	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.1178	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.0517	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	127.8444	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.8298	GEN512689 1-GRDA1 GSU1 22	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25943	127.7925	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25396	127.7473	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.6862	GEN515041 1-SEMINOLE 2G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.5888	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25061	127.5366	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25061	127.5165	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25057	127.4217	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.4095	GEN336170 1-GULF OXY U4	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25057	127.4013	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.2846	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.2765	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2505	127.2491	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.1934	GEN514911 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.1933	GEN514910 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.1321	GEN514942 2-REDBUD4G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25047	127.075	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25076	127.0696	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24906	127.0195	SPP-SWPS-03	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25505	126.9854	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9818	GEN334070 1-LEWIS CREEK 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9516	GEN514905 1-REDBUD3S	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9513	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9503	GEN514899 1-REDBUD1S	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9179	GEN514900 1-REDBUD2S	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24877	126.9089	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24807	126.8718	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.8517	GEN542956 2-LACYGNE UNIT #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.8505	GEN542955 1-LACYGNE UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24957	126.8356	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.8235	GEN501823 1-TECHE UNIT 3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25199	126.7597	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.7456	GEN334432 1-SABINE UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.7455	GEN334431 1-SABINE UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.723	GEN542962 2-IATAN UNIT #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24848	126.6892	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25505	126.6755	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.6639	GEN501910 1-ACADIA UNIT ST1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.6504	GEN549893 2-SOUTHWEST 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.6374	GEN505432 1-SIKESTON	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5928	GEN511938 1-OEC STEAM # 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24914	126.5819	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5502	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5416	GEN334030 1-FRONTIER UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5416	GEN334031 1-FRONTIER UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24653	126.5378	CIMARRON - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5061	GEN318007 1-5MOROW161 161.00	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5016	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.476	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24911	126.4522	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4469	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4469	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4351	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4126	GEN542951 5-HAWTHORN UNIT #5	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24911	126.412	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24907	126.4113	SPP-MKEC-08	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4078	GEN337125 6-LS POWER BATESVILLE	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4071	GEN560706 1-G11-010 0.6900
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4004	GEN337428 1-PERVILLE UNIT #1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4004	GEN337430 1-PERVILLE UNIT #3
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3997	GEN337006 1-DUKE MCADAMS G1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3997	GEN337007 1-DUKE MCADAMS G2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3977	GEN515266 1-AES 1G
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3977	GEN515267 1-AES 2G
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3691	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3669	GEN337429 1-PERVILLE UNIT #2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3688	GEN337432 1-PERVILLE UNIT #5
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3669	GEN337008 1-DUKE MCADAMS S1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25144	126.3641	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2484	126.3551	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3415	GEN335203 1-NELSON UNIT 3
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	126.3398	SMOKEYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24773	126.3236	LACYGNE - NEOSHO 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24936	126.3202	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3176	GEN547649 1-ASBURY UNIT #1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24896	126.3168	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25199	126.3152	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.308	GEN336944 1-REX BROWN
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.304	GEN501911 1-ACADIA UNIT CT1A
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.304	GEN501912 1-ACADIA UNIT CT1B
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3003	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2901	GEN336167 1-GULF OXY U1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2901	GEN336168 1-GULF OXY U2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2901	GEN336169 1-GULF OXY U3
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2831	GEN560623 1-ASGI-10-01 0.6000
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25273	126.2704	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24801	126.2684	WRTOD400
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2648	GEN334392 1-EXXON MOBIL IPP 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24827	126.2643	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2561	GEN300003 1-THOMAS HILL UNIT 3
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24851	126.253	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.2478	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2473	GEN335570 1-CARVILLE CTG
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2473	GEN335571 1-CARVILLE UNIT #1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.2456	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.245	SPP-SWPS-02
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2316	GEN335075 1-DYNEGY#1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2316	GEN335076 1-DYNEGY UNIT2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24851	126.2242	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24799	126.2226	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2225	GEN335572 1-CARVILLE STG
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	126.2162	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25273	126.2148	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2071	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2054	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25088	126.2053	BENTON - ROSE HILL 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.205	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24936	126.2024	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2014	GEN514912 2-REDBUD GEN
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2012	GEN338500 1-MCCLELLAN UNIT #1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1973	GEN645011 1-NEBRASKA CITY 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24877	126.1827	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24954	126.1806	DOVER SW - HENNESSEY 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1791	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1791	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24975	126.1774	OGE3TERM1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1509	GEN506752 1-LEBROCK GAS 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24954	126.1317	HENNESSEY - WAUKOMIS 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24896	126.1214	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24954	126.0986	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2485	126.0825	AXTELL - PAULINE 345KV CKT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24955	126.066	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0606	GEN520812 1-ANADRK5	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0591	GEN337954 1-LYNCH UNIT #3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.0504	SPP-WEPL-03	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.0504	SPP-WERE-34	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0485	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.0451	SPP-MKEC-05	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0344	GEN338513 1-BAILEY UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.031	SPP-WEPL-03A	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.022	GEN549890 1-SOUTHWEST 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0167	GEN335201 1-NELSON UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.003	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9951	GEN520813 1-ANADRK6	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9751	GEN338510 1-1S1KNWRI	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9751	GEN338511 1-1C7KNWRI	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24805	125.9694	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9667	GEN334456 1-CONOCO UNIT#1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	125.9537	SPP-SWPS-02A	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2489	125.9489	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	125.943	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24807	125.9427	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24936	125.9408	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.9408	MOORE - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9305	GEN511851 1-COMANCHE #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.92	GEN335202 1-NELSON UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24805	125.9178	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9071	GEN520811 1-ANADRK4	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	125.9068	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9029	GEN503900 1-FITZHUGH CT1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8963	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8882	GEN546702 1-NM GEN N1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8873	GEN337124 5-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.88	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8721	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.862	GEN300016 1-1G1GPDEL 18.000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.862	GEN300017 1-1G2GPDEL 18.000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8589	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8525	GEN506749 1-EASTMAN GENERATION A	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8444	GEN509409 1-WILKES #3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8414	GEN547656 1-STATE LINE UNIT #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24813	125.8391	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8367	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24839	125.8363	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24885	125.8183	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.818	GEN335137 C4-PPG	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8157	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8148	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8113	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8109	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2478	125.7965	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24844	125.7934	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.7864	KNOBHILL - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24794	125.7814	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7807	GEN334467 1-DUPONT UNIT#1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.7786	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7673	GEN500915 3-WESTERN KRAFT	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.7617	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.7576	HELENA TAP - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7553	GEN599891 1-OKLAUN	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7506	GEN334335 1-TOLEDO BEND	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24889	125.7444	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24893	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7428	GEN335546 3-DOW COGEN	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	125.7421	CANTON - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24788	125.7411	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.7383	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7266	GEN521214 1-BLUCAN2 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24813	125.7244	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24785	125.7218	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7171	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7116	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7116	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7109	GEN560169 1-G08-13 0.5750	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	125.7045	CANTON - OKEENE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7043	GEN335644 1-EXXON UNITS	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.6945	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24827	125.6916	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6915	GEN511853 1-COMANCHE #3	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24813	125.6879	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24824	125.6874	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6865	GEN511852 1-COMANCHE #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24759	125.6846	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6789	GEN337054 1-GREENWOOD	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.6786	SPP-SWPS-T54	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.6776	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.6767	GOLTRY - IMO 69KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.6761	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25144	125.6664	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24771	125.648	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24776	125.6258	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6037	GEN560603 1-G07-06 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24826	125.6019	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.2435	BASE CASE	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.2435	NC1 GEN-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24938	125.136	DBL-THIS-CLR	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2476	125.0274	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2476	125.0061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.9022	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24781	124.8966	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.89	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8765	GEN562014 1-G11_023_3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24673	124.8637	SPP-AEPW-01	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24629	124.8617	MUSKOGEE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8495	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2475	124.8428	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8392	GEN560585 1-G06-44-2 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.8359	SPP-WERE-07	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	124.8277	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.8258	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24691	124.8227	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8216	GEN560173 1-G08-17 0.5750	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.8097	OGE3TERM7	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24744	124.8094	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24762	124.7894	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24762	124.7782	AMRN_OUT55	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24809	124.7759	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24732	124.7659	GRDA-OPGD-05	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24774	124.7461	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7408	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7407	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.735	GEN560170 1-G08-16 34.500	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.7174	GEN524286 1-CLR_3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24807	124.7117	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6986	GEN560595 1-G06-47 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6976	GEN560592 1-G06-45 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6959	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6959	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.6792	SPP-WERE-07B	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6645	GEN560586 1-G06-44-3 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24687	124.6641	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6567	GEN560371 1-G07-46 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24677	124.6563	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24762	124.6536	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6414	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24763	124.5907	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5823	GEN560256 1-G10-14-1 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5768	GEN560105 1-G08-22 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5685	GEN560257 1-G10-14-2 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5672	GEN560279 1-G08-18 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2497	124.5262	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24639	124.5114	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24639	124.511	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.4955	GEN562042 1-G11_014_3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24738	124.4825	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.4771	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24616	124.4535	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25074	124.4329	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2471	124.4324	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25075	124.4302	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.398	GEN560359 1-G08-51 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24684	124.3903	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3501	GEN560166 1-G07-48 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24592	124.3446	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3381	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3318	GEN560598 1-G06-49 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3209	GEN560570 1-G06-39 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25144	124.2829	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2823	GEN562017 1-G11_022_3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2701	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2699	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2587	GEN527162 1-MUSTANG GEN #2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24706	124.2137	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24817	124.1651	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2497	124.1621	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24269	124.1504	NORTHWEST - SPRING CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24269	124.1473	SOONER - SPRING CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24588	124.1398	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.1373	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.0888	GEN515790 1-FPLWND2	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.0682	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.0115	GEN527161 1-MUSTANG GEN #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.998	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23991	123.9588	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.7633	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24653	123.6981	GRACEMONT - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.6888	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.6781	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.5251	GEN526331 1-JONES GEN #1 22 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.5216	GEN526332 1-JONES GEN #2 21 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.4035	GEN515397 1-OUSPRT 1 34.500	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.2881	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.1076	GEN515364 1-CENT 11 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.0003	GEN560180 1-G07-51 0.6000	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.9398	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24482	122.6968	REDBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.4416	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.4201	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.4194	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.3272	GEN515393 1-OGEWND2G	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.2883	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2397	122.1911	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25923	121.4419	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.264	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.264	GEN560224 1-G07-62-4 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.1414	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.1414	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.1328	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	120.4955	GEN560429 1-G08-29 0.6400	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	120.2863	GEN515450 1-CRSRDW21 34.500	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	120.2672	GEN515449 1-CRSRDW11 34.500	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27868	119.821	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27868	119.821	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	119.131	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	118.9958	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	118.9958	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.19823	118.7202	DBL-THIS-WWR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	117.7991	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	117.3439	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26115	117.0958	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26115	117.0958	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29007	116.7694	DBL-HTCH-BVR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29007	116.7694	DBL-HTCH-BVR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	116.6218	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	116.3503	GEN560648 1-G07-21 0.5750	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25414	115.948	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	2	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30349	115.8542	DBL-WICH-THI	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	115.8132	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26083	115.7203	DBL-FINY-HOL	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	115.6632	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25882	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	115.5922	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26437	115.3941	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26437	115.3746	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	115.362	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	115.3038	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25923	115.1303	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.7009	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.6202	GEN337041 1-GERALD ANDRUS	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.6009	GEN514806 1-SOONER UNIT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.527	GEN501813 1-RODEMACHER UNIT 3	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26083	114.434	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.4232	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.378	GEN509403 1-PIRKEY GENERATION	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25846	114.3501	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.3018	GEN514805 1-SOONER UNIT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25923	114.296	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.2703	GEN520947 1-HUGO1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.2252	GEN515226 1-MUSKOGEE 6G	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.2014	GEN338388 1-PLUMPT 23.000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.1524	GEN509416 1-TURK GENERATION	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	114.1183	GEN336831 1-BAXTER WILSON SES	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	113.9892	GEN336821 1-GRAND GULF UNIT	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.9887	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.9509	GEN335206 1-NELSON UNIT 6	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.8299	GEN515225 1-MUSKOGEE 5G	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.8292	GEN515223 1-MUSKOGEE 4G	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.7563	GEN335204 1-NELSON UNIT 4	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.7049	GEN334440 1-SABINE UNIT 4	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.6893	GEN515042 1-SEMINOLE 3G	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.5618	GEN509406 1-WELSH #3	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.5617	GEN509405 1-WELSH #2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.5616	GEN509404 1-WELSH #1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27834	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27834	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.4732	GEN512688 2-GRDA1 GSU2 22	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.3901	GEN509394 1-FLINT CREEK	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.3295	GEN560323 1-G10-40 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.2632	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25414	113.2608	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.2412	GEN334441 1-SABINE UNIT 5	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.2035	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26083	113.1802	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.1063	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25047	113.0667	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	113.046	GEN511841 1-NORTHEASTERN STATION #4	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY		
							(MVA)	TDF	(% MVA)				
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25414	112.9017	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25846	112.8941	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.8359	GEN512689 1-GRDA1 GSU1 22
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25173	112.7712	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.7567	GEN515040 1-SEMINOLE 1G
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25072	112.7373	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24803	112.7183	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24803	112.7177	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25173	112.7155	IMO TAP - MEN TAP 138KV CKT 1
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	112.7067	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25047	112.6607	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25072	112.6566	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.6409	GEN515041 1-SEMINOLE 2G
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25136	112.6243	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25172	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25074	112.5826	MINGO - SETAB 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.5638	GEN560687 1-G11-007 0.5750
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25301	112.5197	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.3797	GEN336170 1-GULF OXY U4
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.263	GEN300006 1-NEW MADRID UNIT 1
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	112.2585	GEN335831 1-RIVERBEND UNIT#1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.2562	GEN300007 1-NEW MADRID UNIT 2
FDNS	2	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.36169	112.2028	DBL-THIS-WWR
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.1765	GEN514911 2-REDBUD GEN
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.1764	GEN514910 2-REDBUD GEN
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24967	112.1552	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24967	112.1241	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.118	GEN514942 2-REDBUD4G
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	112.1096	GEN515443 1-MNCOWND1 34.500
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24755	112.059	GEN560175 1-G07-44 0.5750
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2481	112.0309	SPP-SWPS-03
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.975	GEN334070 1-LEWIS CREEK 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24703	111.9624	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.9497	GEN514905 1-REDBUD3S
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.9484	GEN514899 1-REDBUD1S
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.9463	GEN334071 1-LEWIS CREEK 2
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24755	111.9442	GEN562010 1-G11_024_3 0.6900
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24961	111.9219	AXTELL - POST ROCK 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.9178	GEN514900 1-REDBUD2S
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.8987	GEN542956 2-LACYGNE UNIT #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.8972	GEN542955 1-LACYGNE UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24962	111.8596	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24962	111.8441	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25034	111.841	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.8239	GEN501823 1-TECHE UNIT 3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.7961	GEN542962 2-IATAN UNIT #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24803	111.7732	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24953	111.7621	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.7583	GEN334432 1-SABINE UNIT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.7582	GEN334431 1-SABINE UNIT 1
FDNS	01ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24755	111.7538	GEN560282 1-G08-19 0.6000
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24986	111.7021	HOLCOMB - SETAB 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.7017	GEN549893 2-SOUTHWEST 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24862	111.6934	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25172	111.6851	G05-15T 345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.6822	GEN501910 1-ACADIA UNIT ST1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.6788	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24752	111.6768	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24782	111.6589	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.6541	GEN505432 1-SIKESTON
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.6424	GEN511938 1-OEC STEAM # 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.5753	GEN542957 1-IATAN UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.563	GEN334030 1-FRONTIER UNIT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.563	GEN334031 1-FRONTIER UNIT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.5292	GEN318007 1-5MOROW161 161.00
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.5073	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	111.5073	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4957	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4879	GEN560636 1-ASGI-10-06 0.6900
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4843	GEN645012 2-NEBRASKA CITY 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.481	GEN542951 5-HAWTHORN UNIT #5
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	111.4691	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25104	111.4518	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.444	GEN337125 6-LS POWER BATESVILLE
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4392	GEN337428 1-PERVILLE UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4392	GEN337430 1-PERVILLE UNIT #3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24675	111.4389	LACYGNE - NEOSHO 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4283	GEN337006 1-DUKE MCADAMS G1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4283	GEN337007 1-DUKE MCADAMS G2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25178	111.427	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.425	GEN515266 1-AES 1G
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.425	GEN515267 1-AES 2G
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26078	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26078	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4091	GEN337429 1-PERVILLE UNIT #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4089	GEN337432 1-PERVILLE UNIT #5
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4051	GEN337008 1-DUKE MCADAMS S1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25178	111.3773	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3737	GEN335203 1-NELSON UNIT 3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3704	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25413	111.3642	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3597	GEN547649 1-ASBURY UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3514	GEN560623 1-ASGI-10-01 0.6000
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3495	GEN336944 1-REX BROWN
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2482	111.3493	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.3475	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.3465	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.3452	SPP-SWPS-02
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24816	111.3435	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3384	GEN501911 1-ACADIA UNIT CT1A
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3384	GEN501912 1-ACADIA UNIT CT1B
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3341	GEN336167 1-GULF OXY U1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3341	GEN336168 1-GULF OXY U2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3341	GEN336169 1-GULF OXY U3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3136	GEN645011 1-NEBRASKA CITY 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24816	111.3078	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3036	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3034	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3033	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3009	GEN334392 1-EXXON MOBIL IPP 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24814	111.2984	SPP-MKEC-08
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2978	GEN300003 1-THOMAS HILL UNIT 3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2931	GEN335570 1-CARVILLE CTG
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2931	GEN335571 1-CARVILLE UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24707	111.2842	WRTOD400
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	111.2802	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2776	GEN335075 1-DYNEGY#1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2776	GEN335076 1-DYNEGY UNIT2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24747	111.2763	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2694	GEN335572 1-CARVILLE STG
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	111.2569	SMOXYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24705	111.2438	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2404	GEN338500 1-MCCLELLAN UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2399	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2399	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2371	GEN514912 2-REDBUD GEN
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2244	GEN560706 1-G11-010 0.6900
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2185	GEN506752 1-LEBROCK GAS 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24562	111.2095	CIMARRON - MINCO 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24991	111.1975	BENTON - ROSE HILL 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24734	111.1719	CIRCLE - MULLERGEN 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	111.1691	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.1636	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25034	111.163	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24748	111.1386	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24758	111.1304	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24802	111.1233	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.1198	GEN520812 1-ANADRK5
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.1109	GEN337954 1-LYNCH UNIT #3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24758	111.1106	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0916	GEN549890 1-SOUTHWEST 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25413	111.0851	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0817	GEN338513 1-BAILEY UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24782	111.0735	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.068	GEN511836 1-NORTHEASTERN STATION #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0646	GEN335201 1-NELSON UNIT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25104	111.059	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.0466	SPP-SWPS-02A
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	111.0306	SPP-WEPL-03
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	111.0306	SPP-WERE-34
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24758	111.0304	AXTELL - PAULINE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	111.0268	SPP-MKEC-05
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0258	GEN338510 1-1S1KNWRI
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0258	GEN338511 1-1C7KNWRI
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0172	GEN334456 1-CONOCO UNIT#1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.012	GEN511851 1-COMANCHE #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24861	111.0112	DOVER SW - HENESSEY 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9933	GEN520811 1-ANADRK4
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24881	110.9931	OGE3TERM1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24713	110.982	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9794	GEN335202 1-NELSON UNIT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.977	GEN546702 1-NM GEN N1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9741	GEN503900 1-FITZHUGH CT1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24861	110.9664	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9561	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24802	110.9488	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24712	110.9486	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9468	GEN560645 1-ASGI-10-09 0.6900
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9426	GEN337124 5-LS POWER BATESVILLE
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.942	GEN520813 1-ANADRK6
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9312	GEN511843 1-RIVERSIDE STATION #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	110.9306	SPP-WEPL-03A
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24861	110.93	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9258	GEN506749 1-EASTMAN GENERATION A
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9203	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9187	GEN300016 1-1G1GPDEL 18.000
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9187	GEN300017 1-1G2GPDEL 18.000
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9182	GEN509409 1-WILKES #3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	110.9107	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2475	110.9101	MOORE - PAULINE 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	110.9077	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24863	110.9051	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24712	110.9034	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9033	GEN547656 1-STATE LINE UNIT #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	110.8977	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.881	GEN335137 C4-PPG
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8799	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8786	GEN599891 1-OKLAUN
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	110.8628	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24796	110.8555	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24795	110.8458	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8439	GEN334467 1-DUPONT UNIT#1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24751	110.8381	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.831	GEN500915 3-WESTERN KRAFT
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8151	GEN334335 1-TOLEDO BEND
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8121	GEN335546 3-DOW COGEN
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8087	GEN521214 1-BLUCAN2 0.6900
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.8005	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337106 1-MEPS CLARKESDALE CT64 (MDEA)
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7926	GEN300002 1-THOMAS HILL UNIT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7885	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7861	PUTNAM - TALOGA 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24694	110.7839	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24794	110.7832	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7821	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7821	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.782	GEN511853 1-COMANCHE #3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24686	110.7807	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.7794	MCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7781	GEN511852 1-COMANCHE #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24701	110.7766	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24745	110.7713	CIMARRON - EL RENO 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7712	GEN335644 1-EXXON UNITS
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7712	GEN560169 1-G08-13 0.5750
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7685	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7679	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7653	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	110.7599	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7508	GEN337054 1-GREENWOOD
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24676	110.7482	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.7467	KNOBHILL - SALINE 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2459	110.7434	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24666	110.7408	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7401	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24677	110.7342	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2473	110.7325	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24692	110.7279	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	110.7271	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.725	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	110.7241	CANTON - TALOGA 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.7238	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.7224	HELENA TAP - SALINE 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.7145	SPP-SWPS-T54
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7125	GEN506753 1-LEBROCK GAS 2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24694	110.7114	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24799	110.7114	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7001	GEN334458 1-CONOCO UNIT#3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24682	110.6967	BROOKLINE - MORGAN 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6951	GEN300001 1-THOMAS HILL UNIT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6943	GEN560603 1-G07-06 0.6000
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6919	GEN334282 1-SAM RAYBURN 4
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	110.6918	CANTON - OKEENE 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24733	110.6912	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6883	GEN560118 1-G08-46 0.6900
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6866	GEN549899 5-JAMES RIVER 5
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6809	GEN335640 1-ENCO
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24677	110.675	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24721	110.6696	MARSHALL - WOODRING 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.6688	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.6667	GOLTRY - HELENA TAP 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24666	110.6662	BDANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.6652	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24721	110.6615	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6578	GEN542954 3-MONTROSE UNIT #3
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2464	110.6566	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24694	110.6565	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6564	GEN506750 1-EASTMAN GENERATION B
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.656	CORDELL - GOTEBO 69KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.247	110.6558	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24696	110.6547	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	1	02G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.6533	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6529	GEN338512 1-1S2KNWRI
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6517	GEN502438 1-DOC BONIN UNIT #2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6514	GEN502436 1-HARGIS2
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.651	GOLTRY - IMO 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6491	GEN338507 1-1C1KNWRI	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6491	GEN338508 1-1C3KNWRI	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6491	GEN338509 1-1C5KNWRI	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24671	110.6482	MCLEROY - STILLWATER 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6481	GEN318009 1-2MOSEL 69 69.000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24733	110.6479	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6437	GEN560633 1-ASGI-10-05 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24679	110.6362	NUNDRWD - WAYSIDE 230KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6346	GEN505482 1-BEAVER	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6339	GEN542952 1-MONTROSE UNIT #1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24672	110.6292	LAKEOVER - MCADAMS 500KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.5045	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.4315	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3811	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3811	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25374	110.3424	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3315	BASE CASE	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3315	NC1_GEN-NEBRASKA CITY 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24847	110.2083	DBL-THIS-CLR	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.1938	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.1359	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24667	110.0848	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24686	110.0206	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0156	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0103	GEN524895 1-SAN JUAN MESA WIND GEN	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0067	GEN562014 1-G11_023_3 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0018	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2471	109.9932	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24862	109.9799	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.979	SPP-WERE-07	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.9788	GEN560585 1-G06-44-2 0.6000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.9758	GEN560173 1-G08-17 0.5750	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24656	109.9708	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24597	109.9707	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24648	109.968	OGE3TERM14	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.9666	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.9507	OGE3TERM7	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24655	109.9476	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2465	109.9416	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24668	109.9199	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24639	109.9133	GRDA-OPGD-05	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24668	109.9097	AMRN_OUT55	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8994	GEN560170 1-G08-16 34.500	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.8988	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.8984	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8831	GEN524286 1-CLR_3 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2468	109.8767	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24582	109.8763	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8692	GEN560595 1-G06-47 0.6000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8683	GEN560592 1-G06-45 0.6000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2498	109.8665	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8551	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8551	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25034	109.8488	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.8341	SPP-WERE-07B	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24593	109.8326	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8306	GEN560371 1-G07-46 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8301	GEN560586 1-G06-44-3 0.6000	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2605	109.8276	DBL-FINY-HOL	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2498	109.8027	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8003	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24668	109.7885	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7729	GEN560105 1-G08-22 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7601	GEN560256 1-G10-14-1 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7601	GEN560279 1-G08-18 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7484	GEN560257 1-G10-14-2 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24166	109.743	SOONER - SPRING CREEK 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24166	109.7407	NORTHWEST - SPRING CREEK 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2459	109.7345	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26397	109.7284	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2467	109.7261	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24522	109.7107	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26397	109.7102	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6801	GEN562042 1-G11_014_3 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24548	109.6742	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24548	109.6738	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6654	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24643	109.6569	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24862	109.6467	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6143	GEN560359 1-G08-51 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6127	GEN515790 1-FPLWND2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24617	109.6074	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5792	GEN520922 1-SLEEPING BEAR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.575	GEN560166 1-G07-48 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5519	GEN560598 1-G06-49 0.6000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5513	GEN560570 1-G06-39 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5499	GEN515389 1-TLGAWND1 34.500	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.5453	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25882	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5034	GEN562017 1-G11_022_3 0.6900	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24501	109.497	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4838	GEN560121 1-G08-47 0.5750	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4785	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4784	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4665	GEN527162 1-MUSTANG GEN #2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24492	109.4659	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.4642	GEN337041 1-GERALD ANDRUS	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24718	109.4183	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.4089	GEN514806 1-SOONER UNIT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24613	109.4005	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.3735	GEN562020 1-G11_021_3 0.6900	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.3518	GEN501813 1-RODEMACHER UNIT 3	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.2629	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.2487	GEN527161 1-MUSTANG GEN #1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.2486	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	0	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36008	109.1905	DBL-THIS-WWR	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24562	109.1683	GRACEMONT - MINCO 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.1015	GEN514805 1-SOONER UNIT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0925	GEN520947 1-HUGO1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0812	GEN515397 1-OUSPR1 34.500	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23904	109.0684	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0433	GEN515226 1-MUSKOGEE 6G	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0294	GEN338388 1-1PLUMPT 23.000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0287	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0174	GEN509416 1-TURK GENERATION	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0117	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0024	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.9543	GEN336831 1-BAXTER WILSON SES	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8893	GEN515364 1-CENT 11 0.6000	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8452	GEN560180 1-G07-51 0.6000	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.8143	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8047	GEN526331 1-JONES GEN #1 22 KV	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	108.8035	GEN336821 1-GRAND GULF UNIT	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8009	GEN526332 1-JONES GEN #2 21 KV	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.7774	GEN335206 1-NELSON UNIT 6	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25806	108.774	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25882	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.644	GEN515225 1-MUSKOGEE 5G	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.6433	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27274	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27274	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2605	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.5798	GEN335204 1-NELSON UNIT 4
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	108.5472	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.5274	GEN334440 1-SABINE UNIT 4
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.4996	GEN515042 1-SEMINOLE 3G
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.4123	GEN509406 1-WELSH #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.4122	GEN509404 1-WELSH #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.4122	GEN509405 1-WELSH #2
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	108.3586	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	108.3421	GEN515393 1-OGFWND2G
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.3212	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	108.2512	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.2359	GEN509394 1-FLINT CREEK
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24384	108.2041	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.1333	GEN560323 1-G10-40 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.092	GEN336801 1-BAXTER WILSON UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.0576	GEN334441 1-SABINE UNIT 5
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	108.0427	GEN511839 1-NORTHEASTERN STATION #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.9441	GEN511840 1-NORTHEASTERN STATION #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.8825	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.8365	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25374	107.8219	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.8176	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.8169	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.7275	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2553	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2553	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.6699	GEN512689 1-GRDA1 GSU1 22
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2501	107.6516	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.6074	GEN515450 1-CRSRDW21 34.500
FDNS	02ALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	107.571	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25374	107.4683	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.4413	GEN515041 1-SEMINOLE 2G
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	107.4082	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	107.4077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25135	107.378	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2605	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25034	107.3649	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.3622	GEN560687 1-G11-007 0.5750
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25806	107.3518	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25135	107.3238	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25034	107.2867	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2501	107.2521	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.186	GEN336170 1-GULF OXY U4
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25038	107.18	MINGO - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25262	107.1704	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.251	107.1628	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	107.1492	GEN335831 1-RIVERBEND UNIT#1
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.23881	107.0956	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.0935	GEN515040 1-SEMINOLE 1G
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.093	GEN560429 1-G08-29 0.6400
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.071	GEN300006 1-NEW MADRID UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.0643	GEN300007 1-NEW MADRID UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.969	GEN514910 2-REDBUD GEN
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.969	GEN514911 2-REDBUD GEN
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.9527	GEN560223 1-G07-62-3 0.6900
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.9527	GEN560224 1-G07-62-4 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.91	GEN514942 2-REDBUD4G
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.9067	GEN515443 1-MNCOWND1 34.500
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24928	106.8179	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.8101	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24928	106.7877	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.7782	GEN560221 1-G07-62-1 0.6900
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.7782	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7743	GEN334070 1-LEWIS CREEK 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7452	GEN334071 1-LEWIS CREEK 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7406	GEN514905 1-REDBUD3S
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7392	GEN514899 1-REDBUD1S

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.7277	GEN542956 2-LACYGNE UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.7262	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24771	106.7243	SPP-SWPS-03
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.7084	GEN514900 1-REDBUD2S
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24989	106.6512	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	01G11_019	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24661	106.6278	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.6259	GEN542962 2-IATAN UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.6213	GEN501823 1-TECHE UNIT 3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24924	106.5725	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.5559	GEN334431 1-SABINE UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.5559	GEN334432 1-SABINE UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.5303	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.5228	GEN549893 2-SOUTHWEST 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24924	106.5186	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24924	106.5047	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24764	106.4868	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.4787	GEN501910 1-ACADIA UNIT ST1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.4531	GEN505432 1-SIKESTON
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.4487	GEN511938 1-OEC STEAM # 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24915	106.4439	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.4057	GEN542957 1-IATAN UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24714	106.4037	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24823	106.4005	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3571	GEN334030 1-FRONTIER UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3571	GEN334031 1-FRONTIER UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24744	106.343	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24949	106.3357	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3277	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3245	GEN318007 1-5MOROW161 161.00
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3131	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3131	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3026	GEN542951 5-HAWTHORN UNIT #5
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.3013	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24106	106.2965	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2779	GEN560636 1-ASGI-10-06 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2382	GEN337125 6-LS POWER BATESVILLE
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2367	GEN337428 1-PERVILLE UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2367	GEN337430 1-PERVILLE UNIT #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24635	106.2264	LACYGNE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2231	GEN337006 1-DUKE MCADAMS G1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2231	GEN337007 1-DUKE MCADAMS G2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2161	GEN515266 1-AES 1G
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2161	GEN515267 1-AES 2G
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2061	GEN337429 1-PERVILLE UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.2059	GEN337432 1-PERVILLE UNIT #5
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1995	GEN337008 1-DUKE MCADAMS S1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1787	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1664	GEN335203 1-NELSON UNIT 3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1655	GEN560623 1-ASGI-10-01 0.6000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1564	GEN547649 1-ASBURY UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1474	GEN645011 1-NEBRASKA CITY 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1453	GEN336944 1-REX BROWN
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1307	GEN501911 1-ACADIA UNIT CT1A
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1307	GEN501912 1-ACADIA UNIT CT1B
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1301	GEN336167 1-GULF OXY U1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1301	GEN336168 1-GULF OXY U2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1301	GEN336169 1-GULF OXY U3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1299	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1296	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.1278	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.25066	106.1151	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.0956	GEN300003 1-THOMAS HILL UNIT 3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.0923	GEN334392 1-EXXON MOBIL IPP 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.0883	GEN335570 1-CARVILLE CTG
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.0883	GEN335571 1-CARVILLE UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.0721	GEN335075 1-DYNEGY#1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.24623	106.0721	GEN335076 1-DYNEGY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24781	106.0671	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24778	106.0646	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0642	GEN335572 1-CARVILLE STG
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	106.0629	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	106.0619	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25139	106.061	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	106.0607	SPP-SWPS-02
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24669	106.0515	WRTOD400
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0368	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0368	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0303	GEN338500 1-MCCLELLAN UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24778	106.0294	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24804	106.0246	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0223	GEN514912 2-REDBUD GEN
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0175	GEN506752 1-LEBROCK GAS 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24776	106.0154	SPP-MKEC-08
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	106.0126	GEN560706 1-G11-010 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25139	106.0117	DEWEY - IODINE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24709	106.0117	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24667	106.0105	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.9897	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24524	105.9808	CIMARRON - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24989	105.9777	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24687	105.9718	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24952	105.9192	BENTON - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.9114	GEN520812 1-ANADRK5
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25375	105.9055	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24804	105.9032	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.903	GEN337954 1-LYNCH UNIT #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24696	105.8966	CIRCLE - MULLERGEN 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8941	GEN549890 1-SOUTHWEST 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8716	GEN338513 1-BAILEY UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2471	105.87	MULLERGEN - SPEARVILLE 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8624	GEN511836 1-NORTHEASTERN STATION #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8533	GEN335201 1-NELSON UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	105.8448	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	105.8354	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_019		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	105.8343	GEN515449 1-CRSRDW11 34.500
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	105.8171	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8138	GEN338510 1-1S1KNWRI
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8138	GEN338511 1-1C7KNWRI
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8067	GEN511851 1-COMANCHE #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8051	GEN334456 1-CONOCO UNIT#1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24744	105.7878	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7864	GEN520811 1-ANADRK4
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7839	GEN546702 1-NM GEN N1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7688	GEN335202 1-NELSON UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7675	GEN520813 1-ANADRK6
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7668	GEN503900 1-FITZHUGH CT1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	105.7666	SPP-SWPS-02A
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.7658	SPP-WEPL-03
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.7658	SPP-WERE-34
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.762	SPP-MKEC-05
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	105.7603	AXTELL - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24675	105.747	HOYT - STRANGER CREEK 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7457	GEN335612 1-WILLOW GLENN UNIT#2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7422	GEN560645 1-ASG1-10-09 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24823	105.7342	DOVER SW - HENESSEY 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7304	GEN337124 5-LS POWER BATESVILLE
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25066	105.7228	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7182	GEN506749 1-EASTMAN GENERATION A
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7145	GEN511843 1-RIVERSIDE STATION #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7104	GEN509409 1-WILKES #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7092	GEN335611 1-WILLOW GLENN UNIT#1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	105.7082	OGESTERM1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7074	GEN599891 1-OKLAUN
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7063	GEN300016 1-1G1GPDEL 18.000

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.7063	GEN300017 1-1G2GPDEL 18.000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24675	105.7047	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.6919	GEN547656 1-STATE LINE UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24823	105.6893	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	OZALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25478	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.6759	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24764	105.6736	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24746	105.6715	SPP-WEPL-03A
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.6689	GEN335137 C4-PPG
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24675	105.6541	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24712	105.649	MOORE - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24746	105.6482	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24804	105.6451	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24823	105.6416	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24687	105.6307	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.6294	GEN334467 1-DUPONT UNIT#1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25375	105.6232	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.6161	GEN500915 3-WESTERN KRAFT
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24681	105.6123	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.6	GEN334335 1-TOLEDO BEND
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24713	105.5997	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5991	GEN335546 3-DOW COGEN
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24757	105.5988	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5958	GEN521214 1-BLUCAN2 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24826	105.5909	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24758	105.5853	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5788	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5788	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5788	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5788	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5748	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5736	GEN511853 1-COMANCHE #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5732	GEN300002 1-THOMAS HILL UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5698	GEN511852 1-COMANCHE #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5685	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5685	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.5562	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.556	GEN335644 1-EXXON UNITS
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5546	GEN560169 1-G08-13 0.5750
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24551	105.5469	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.5369	GEN337054 1-GREENWOOD
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.5354	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24656	105.5326	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24648	105.5322	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24637	105.5291	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24662	105.5277	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24707	105.5196	CIMARRON - EL RENO 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24628	105.5086	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24639	105.5048	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24681	105.5047	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24757	105.5033	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4997	GEN506753 1-LEBROCK GAS 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4932	GEN560603 1-G07-06 0.6000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24711	105.4891	KNOBHILL - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4835	GEN334458 1-CONOCO UNIT#3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24692	105.4833	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.4819	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4815	GEN300001 1-THOMAS HILL UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.4808	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24654	105.4793	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	OZALL		0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24106	105.4781	GEN337652 1-WHITE BLUFF UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24693	105.4771	PUTNAM - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4752	GEN334282 1-SAM RAYBURN 4
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24681	105.4725	Canadian Pump Station - HINTON 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.4714	SPP-SWPS-T54
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24686	105.4712	CANTON - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.471	GEN560118 1-G08-46 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY	
							(MVA)	TDF			
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.47	GEN549899 5-JAMES RIVER 5
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24644	105.4664	BROOKLINE - MORGAN 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24711	105.4653	HELENA TAP - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4643	GEN335640 1-ENCO
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24656	105.4602	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24693	105.4599	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24693	105.4593	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24693	105.4579	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24761	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4458	GEN542954 3-MONTROSE UNIT #3
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24695	105.4433	OKEENE - WATONGA SW 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4423	GEN506750 1-EASTMAN GENERATION B
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24686	105.4417	CANTON - OKEENE 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24682	105.4367	MARSHALL - WOODRING 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24628	105.4365	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4356	GEN338512 1-1S2KNWRI
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4346	GEN502438 1-DOC BONIN UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4342	GEN502436 1-HARGIS2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24693	105.4332	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24639	105.4332	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.432	GEN338507 1-1C1KNWRI
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.432	GEN338508 1-1C3KNWRI
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.432	GEN338509 1-1C5KNWRI
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4312	GEN318009 1-2MOSEL 69 69.000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24682	105.4286	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24603	105.4284	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.426	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4235	GEN506033 1-ASGI-10-05 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4231	GEN542952 1-MONTROSE UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2466	105.4227	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24633	105.4199	MCELROY - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.417	GEN505482 1-BEAVER
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24662	105.4108	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24711	105.4098	GOLTRY - HELENA TAP 69KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24656	105.4077	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4069	GEN505616 1-BROKEN BOW
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4062	GEN503305 1-CITY OF HOUMA SUB
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24696	105.4047	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.4013	GEN502435 1-HARGIS1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24633	105.3983	LAKEOVER - MCADAMS 500KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24641	105.3978	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24634	105.3943	AI43
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24106	105.3392	GEN338146 1-INDEPENDENCE UNIT #2
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24106	105.2653	GEN338143 1-INDEPENDENCE UNIT #1
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24206	105.2447	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24206	105.2433	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.1044	BASE CASE
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	105.1044	NC1_GEN-NEBRASKA CITY 1
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25273	105.0234	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24106	104.9855	GEN337653 1-WHITE BLUFF UNIT #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.28972	104.9734	DBL-BVR-WWRD
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24106	104.9459	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2481	104.8628	DBL-SPRVL-CL
FDNS		01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	104.8625	GEN562023 1-G11_020_3 0.6900
FDNS		01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	104.8625	GEN562026 1-G11_019_3 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24628	104.8539	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24818	104.8054	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	104.8008	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	104.8	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	104.7932	GEN539767 1-GRAY COUNTY WIND FARM
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	104.7921	GEN562014 1-G11_023_3 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.2467	104.7918	DELAWARE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24648	104.7832	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	104.7664	GEN560173 1-G08-17 0.5750
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	104.7659	GEN560585 1-G06-44-2 0.6000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24559	104.7558	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24618	104.7441	LACYGNE - WEST GARDNER 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.7437	SPP-WERE-07
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24611	104.7396	OGE3TERM14
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.7314	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24811	104.7299	DBL-THIS-CLR
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24617	104.7192	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24612	104.7176	LACYGNE - STILWELL 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.7151	OGE3TERM7
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6946	GEN560170 1-G08-16 34.500
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24663	104.6887	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24211	104.6881	SPP-SWPS-03
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.6856	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24611	104.6781	GRDA-OPGD-05
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24663	104.6779	AMRN_OUTSS
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6774	GEN524286 1-CLR 3 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24124	104.6756	SOONER - SPRING CREEK 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24124	104.6734	NORTHWEST - SPRING CREEK 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24544	104.6665	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6641	GEN560595 1-G06-47 0.6000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6632	GEN560592 1-G06-45 0.6000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.6571	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.6566	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24641	104.6482	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6448	GEN560286 1-G10-01-1WTG 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6448	GEN560287 1-G10-01-2WTG 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24989	104.6419	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.6274	SPP-WERE-07C
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6236	GEN560371 1-G07-46 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6211	GEN560586 1-G06-44-3 0.6000
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25273	104.6185	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24555	104.6117	CLEVELAND - SOONER 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.5974	SPP-WERE-07B
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5929	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24941	104.5871	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5741	GEN560105 1-G08-22 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5571	GEN560279 1-G08-18 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24663	104.5566	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5518	GEN560256 1-G10-14-1 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5405	GEN560257 1-G10-14-2 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24483	104.5103	PITTSBURG - VALLIANT 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24553	104.5051	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24631	104.4944	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4722	GEN562042 1-G11_014_3 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24942	104.4633	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24511	104.4584	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4581	GEN523103 1-NOBLE_WND 3115.00
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24511	104.4539	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24818	104.4489	G08-127T 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24604	104.4333	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4253	GEN515790 1-FPLWND2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4161	GEN560359 1-G08-51 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3931	GEN520922 1-SLEEPING BEAR
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24579	104.3817	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3811	GEN560166 1-G07-48 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3604	GEN515389 1-TLGAWND1 34.500
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3577	GEN560570 1-G06-39 0.6900
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.3559	GEN336251 1-NINEMILE POINT UNIT#4
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3548	GEN560598 1-G06-49 0.6000
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3025	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24453	104.2921	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2813	GEN560121 1-G08-47 0.5750
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.2781	GEN337041 1-GERALD ANDRUS
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2773	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2772	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24465	104.2691	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2668	GEN527162 1-MUSTANG GEN #2
FDNS		1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24678	104.2133	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24206	104.1911	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24575	104.178	NORTHWEST (NORTHWEST) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	104.1744	GEN562020 1-G11_021_3 0.6900
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	104.1487	GEN501813 1-RODEMACHER UNIT 3
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	104.0559	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	104.0417	GEN509403 1-PIRKEY GENERATION
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24524	103.9537	GRACEMONT - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23869	103.9294	ARCADIA - NORTHWEST 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.9252	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.8934	GEN515397 1-OSPR1 34.500
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.8808	GEN520947 1-HUGO1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.8424	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.8421	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.8338	GEN338388 1-1PLUMPT 23.000
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.8331	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.8074	GEN509416 1-TURK GENERATION
FDNS	01G11_019		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	103.7628	GEN560648 1-G07-21 0.5750
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.7504	GEN336831 1-BAXTER WILSON SES
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.7333	SPP-SWPS-02
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.7327	STATELINE INTERCHANGE - STLN-DEMAR6 230KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.7288	STLN-DEMAR6 - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.7212	GEN514806 1-SOONER UNIT 2
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.7128	GEN515364 1-CENT 11 0.6000
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.6861	GEN560180 1-G07-51 0.6000
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	103.6783	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.6247	GEN526331 1-JONES GEN #1 22 KV
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.6213	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.5919	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.554	GEN335206 1-NELSON UNIT 6
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.4681	SPP-SWPS-02A
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.4387	GEN514805 1-SOONER UNIT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.3888	GEN515226 1-MUSKOGEE 6G
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.356	GEN531447 1-HOLCOMB GENERATOR
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.3527	GEN335204 1-NELSON UNIT 4
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	103.3179	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.2987	GEN334440 1-SABINE UNIT 4
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2457	103.2919	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.2138	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.1876	GEN509406 1-WELSH #3
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.1875	GEN509404 1-WELSH #1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.1875	GEN509405 1-WELSH #2
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.181	GEN515393 1-OGEWND2G
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2451	103.1038	MINGO - SETAB 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2445	103.0961	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.0898	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24172	103.084	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24344	103.0556	REBUD - RIVERSIDE STATION 345KV CKT 1
FDNS		2	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25298	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24486	103.0347	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.0288	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.0283	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.9966	GEN509394 1-FLINT CREEK
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	102.9556	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.8757	GEN515042 1-SEMINOLE 3G
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.8617	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.8203	GEN334441 1-SABINE UNIT 5
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.785	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.6882	GEN511840 1-NORTHEASTERN STATION #3
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.675	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.6567	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.6561	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24486	102.6528	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.6264	GEN511841 1-NORTHEASTERN STATION #4
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.5906	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24727	102.5685	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2445	102.449	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL		0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24217	102.4411	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.4378	GEN515450 1-CRSRDW21 34.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.4376	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.4376	GEN560224 1-G07-62-4 0.6900
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.4253	GEN512689 1-GRDA1 GSU1 22
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.3377	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.3377	GEN560222 1-G07-62-2 0.6900
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24613	102.0633	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24613	102.0153	DEWEY - IODINE 138KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23845	102.0014	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24424	101.9769	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	101.9764	GEN560429 1-G08-29 0.6400
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24507	101.9591	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.9396	GEN336170 1-GULF OXY U4
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.9328	GEN515041 1-SEMINOLE 2G
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24605	101.9291	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24217	101.9118	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24507	101.8801	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24605	101.8738	IMO TAP - MEN TAP 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.8334	GEN300006 1-NEW MADRID UNIT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.8262	GEN300007 1-NEW MADRID UNIT 2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.244	101.6996	AXTELL - POST ROCK 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.6782	GEN515040 1-SEMINOLE 1G
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.5213	GEN334070 1-LEWIS CREEK 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.5028	GEN542956 2-LACYGNE UNIT #2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.5017	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	101.501	GEN525562 1-TOLK GEN #2 24 KV
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4963	GEN514911 2-REDBUD GEN
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4962	GEN514910 2-REDBUD GEN
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4917	GEN334071 1-LEWIS CREEK 2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24404	101.4796	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24404	101.4489	CEDARDALE - OKEENE 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4436	GEN514942 2-REDBUD4G
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4408	GEN542962 2-IATAN UNIT #2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24146	101.4356	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4002	GEN640009 1-COOPER NUCLEAR STATION
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.3663	GEN501823 1-TECHE UNIT 3
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.3013	GEN334431 1-SABINE UNIT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.3013	GEN334432 1-SABINE UNIT 2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2934	GEN514905 1-REDBUD3S
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2923	GEN514899 1-REDBUD1S
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2838	GEN549893 2-SOUTHWEST 2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.265	GEN514900 1-REDBUD2S
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24252	101.2589	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2241	GEN501910 1-ACADIA UNIT 5T1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24252	101.2222	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2051	GEN505432 1-SIKESTON
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2043	GEN542957 1-IATAN UNIT #1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24115	101.2012	LACYGNE - NEOSHO 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1857	GEN511938 1-OEC STEAM # 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1757	GEN645012 2-NEBRASKA CITY 2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2445	101.1724	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24424	101.1276	BENTON - ROSE HILL 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1045	GEN334030 1-FRONTIER UNIT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1045	GEN334031 1-FRONTIER UNIT 2
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24391	101.095	DOVER SW - OKEENE 138KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0885	GEN542951 5-HAWTHORN UNIT #5
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0704	GEN318007 1-5MOROW161 161.00
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24146	101.0636	G11-007T 345.00 - WOODRING 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0621	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0621	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0501	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23977	101.0425	CIMARRON - MINCO 345KV CKT 1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0121	GEN560636 1-ASGI-10-06 0.6900
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9863	GEN337428 1-PERVILLE UNIT #1
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9863	GEN337430 1-PERVILLE UNIT #3
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9835	GEN337125 6-LS POWER BATESVILLE
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9774	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS		02ALL	0	12G	G11_019	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9773	GEN645011 1-NEBRASKA CITY 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9719	GEN560623 1-ASGI-10-01 0.6000	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9684	GEN337006 1-DUKE MCADAMS G1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9684	GEN337007 1-DUKE MCADAMS G2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9553	GEN337429 1-PERVILLE UNIT #2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9551	GEN337432 1-PERVILLE UNIT #5	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24174	100.9547	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.9511	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.95	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9447	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9446	GEN337008 1-DUKE MCADAMS S1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9442	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9296	GEN547649 1-ASBURY UNIT #1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9136	GEN335203 1-NELSON UNIT 3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2419	100.9106	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24255	100.9041	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8899	GEN336944 1-REX BROWN	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8791	GEN336167 1-GULF OXY U1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8791	GEN336168 1-GULF OXY U2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8791	GEN336169 1-GULF OXY U3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8779	GEN501911 1-ACADIA UNIT CT1A	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8779	GEN501912 1-ACADIA UNIT CT1B	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24304	100.8742	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24151	100.859	WRTO400	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24165	100.8568	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25967	100.8549	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8531	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24284	100.8509	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.847	GEN515266 1-AES 1G	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.847	GEN515267 1-AES 2G	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24257	100.8455	SPP-MKEC-08	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8384	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8369	GEN335571 1-CARVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8368	GEN335570 1-CARVILLE CTG	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8195	GEN335075 1-DYNEGY#1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8195	GEN335076 1-DYNEGY UNIT2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24149	100.8125	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8124	GEN335572 1-CARVILLE STG	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25967	100.8116	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8077	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2442	100.798	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2442	100.7923	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	100.7899	GEN562023 1-G11_020_3 0.6900	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	100.7899	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24281	100.7875	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7761	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7754	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7754	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24194	100.7637	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7633	GEN506752 1-LEBROCK GAS 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24284	100.7436	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1	
FDNS	1	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	100.7002	GEN515449 1-CRSRDW11 34.500	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6679	GEN520812 1-ANADRK5	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.242	100.6645	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.6643	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.656	GEN514912 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6482	GEN337954 1-LYNCH UNIT #3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6436	GEN549890 1-SOUTHWEST 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.6419	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6338	GEN511851 1-COMANCHE #1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6177	GEN338513 1-BAILEY UNIT #1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24304	100.6159	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.6106	SPP-WEPL-03	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.6106	SPP-WERE-34	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.6058	SPP-MKEC-05	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23977	100.6023	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6006	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5977	GEN335201 1-NELSON UNIT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5873	GEN560323 1-G10-40 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.5865	SPP-WEPL-03A	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.242	100.5845	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.5788	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24238	100.5754	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.5701	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.242	100.5664	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	100.5591	GEN560175 1-G07-44 0.5750	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5572	GEN338510 1-151KNWRI	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5572	GEN338511 1-1C7KNWRI	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.5551	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24193	100.5542	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5489	GEN334456 1-CONOCO UNIT#1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5457	GEN520811 1-ANADRK4	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24156	100.5438	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5421	GEN546702 1-NM GEN N1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.5395	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5125	GEN335202 1-NELSON UNIT 2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5092	GEN520813 1-ANADRK6	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5066	GEN503900 1-FITZHUGH CT1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5013	GEN560645 1-ASGI-10-09 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.4998	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	100.4954	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.4932	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01G11_019	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	100.4928	GEN562010 1-G11_024_3 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4915	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4904	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4903	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4872	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24284	100.4869	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4836	SPP-SWPS-T54	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4751	GEN337124 5-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4611	GEN506749 1-EASTMAN GENERATION A	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24281	100.4542	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4533	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4533	GEN509409 1-WILKES #3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24031	100.4529	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.4517	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4513	GEN300016 1-1G1GPDEL 18.000	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4513	GEN300017 1-1G2GPDEL 18.000	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4489	GEN547656 1-STATE LINE UNIT #2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4453	GEN511843 1-RIVERSIDE STATION #2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.4429	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24586	100.4297	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4268	SHAMROCK - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4255	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.425	GEN509408 1-WILKES #2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24016	100.4215	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4179	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24193	100.4155	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4121	GEN335137 C4-PPG	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4065	GEN560687 1-G11-007 0.5750	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24412	100.3998	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24412	100.386	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.243	100.3834	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.3832	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2424	100.3718	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3714	GEN334467 1-DUPONT UNIT#1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.3676	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3649	GEN511852 1-COMANCHE #2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3576	GEN500915 3-WESTERN KRAFT	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3567	CONWAY SUB - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3528	NICHOLS STATION - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24136	100.3518	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2432	100.3513	OGES3TERM1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24118	100.3505	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.3436	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3419	GEN335546 3-DOW COGEN	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3416	GEN334335 1-TOLEDO BEND	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3414	GEN521214 1-BLUCAN2 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3404	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.243	100.3391	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.334	HOLLIS TAP - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24179	100.3298	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3291	GEN511853 1-COMANCHE #3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24238	100.3235	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3175	SPP-SWPS-T53	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.311	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.311	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.3101	CHILDRESS - HOLLIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.243	100.3083	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24132	100.3071	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24179	100.3035	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3023	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2978	GEN335644 1-EXXON UNITS	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.2965	LAKE PAULINE - RUSSELL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2946	GEN515443 1-MNCOWND1 34.500	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2931	GEN560169 1-G08-13 0.5750	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.288	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24239	100.2872	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2795	GEN337054 1-GREENWOOD	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.2636	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24111	100.2631	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24123	100.2577	MORISNT4 138.00 - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24126	100.2508	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.2486	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.247	GEN599891 1-OKLAUN	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2404	GEN506753 1-LEBROCK GAS 2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24122	100.2372	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.2371	OGE3TERM10	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24144	100.2346	GRAND ISLAND - MCCOOL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2297	GEN300001 1-THOMAS HILL UNIT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.2253	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2241	GEN334458 1-CONOCO UNIT#3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2425	100.2212	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24164	100.2195	MARSHALL - WOODRING 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2156	GEN334282 1-SAM RAYBURN 4	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.215	GEN560118 1-G08-46 0.6900	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24164	100.2117	COTTONWOOD CREEK - MARSHALL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.2115	PUTNAM - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2107	GEN549899 5-JAMES RIVER 5	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24192	100.2107	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.2081	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2051	GEN335640 1-ENCO	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1995	GEN542954 3-MONTROSE UNIT #3	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.1976	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24123	100.1974	NUNDRWD - WAYSIDE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24111	100.1941	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.1933	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24086	100.1932	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.193	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.1878	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1868	OKLAUNION 345KV SWITCHED SHUNT	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24192	100.1866	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.1831	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1825	GEN506750 1-EASTMAN GENERATION B	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24178	100.1817	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.177	GEN502438 1-DOC BONIN UNIT #2	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24177	100.1768	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1767	GEN502436 1-HARGIS2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1755	GEN338512 1-152KNWRI
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24117	100.1753	MCLEROY - STILLWATER 138KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1751	GEN560633 1-ASGI-10-05 0.6900
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1722	GEN318009 1-2MOSEL 69 69.000
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1719	GEN338507 1-1C1KNWRI
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1719	GEN338508 1-1C3KNWRI
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1719	GEN338509 1-1C5KNWRI
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24132	100.1708	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1703	GEN542952 1-MONTROSE UNIT #1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24188	100.1679	CIMARRON - EL RENO 138KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.1614	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24116	100.1598	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24117	100.1589	AI43
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24152	100.1576	JENSEN ROAD - JENSEN TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.156	GEN505482 1-BEAVER
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24117	100.1512	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1471	GEN505616 1-BROKEN BOW
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1463	GEN503305 1-CITY OF HOUMA SUB
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24124	100.1432	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	0	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24121	100.1382	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30345	103.8216	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.43679	137.7338	DBL-THIS-WWR
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.34036	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.34036	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3257	104.2693	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3257	104.2301	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32013	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32013	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31967	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31686	109.2528	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31686	108.7863	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31385	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31385	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31385	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31297	100.7848	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3117	107.5733	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3117	107.1372	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3117	106.7023	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31054	106.3317	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30949	104.2661	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3094	105.7136	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3094	105.6437	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30934	105.9181	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30934	105.8546	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30914	107.6311	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30843	107.4672	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30827	105.8184	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30827	105.7178	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30817	107.3012	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30817	106.7701	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30743	106.1385	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30724	104.5704	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30723	104.5627	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30719	103.896	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30719	103.8754	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30716	105.566	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30712	104.7673	BENTON - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30706	105.2878	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30706	105.2447	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30694	104.8053	DOVER SW - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30664	102.6871	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30623	103.8966	OGESTERM1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30602	104.6575	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30601	103.9665	DOVER SW - HENESSEY 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30601	103.9073	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30601	103.8669	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30594	104.308	WOODWARD - WOODWARD EHV 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)	(% MVA)	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30594	102.0763	DBL-THIS-CLR	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30566	104.4864	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30566	104.3666	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30566	104.0843	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30556	105.8393	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30549	106.8314	G08-13T 345.00 - WOODRNG 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30549	105.9355	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30549	104.131	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30544	104.6505	SPP-MKEC-08	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30533	103.7752	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30527	105.0658	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30527	105.0201	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30526	104.0313	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30519	104.3192	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30519	103.9855	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30515	103.8816	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.3118	SPP-WEPL-03	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.3118	SPP-WERE-34	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.3085	SPP-MKEC-05	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.2917	SPP-WEPL-03A	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.1643	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30491	107.4642	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30491	106.6161	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30481	104.398	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30477	104.3001	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30477	104.2738	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30477	104.1049	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30472	104.5556	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30472	104.2642	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30472	102.6272	WOODRNG (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	104.7225	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	104.0457	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	103.8168	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	103.7875	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	103.7203	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30456	103.7533	CIMARRON - EL RENO 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3045	103.7685	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	104.7991	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.8103	PUTNAM - TALOGA 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7888	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7883	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7871	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7568	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30447	103.9837	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30447	103.9505	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30447	103.7769	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30442	109.6189	SPP-SWPS-03	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30441	104.8162	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30441	104.3811	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3044	103.8346	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3044	103.8013	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30438	103.0012	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	110.3459	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.3395	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.3221	SPP-SWPS-02	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.3164	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.0119	SPP-SWPS-02A	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30435	103.8365	OGE3TERM10	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.9142	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.8949	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.8651	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.8304	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.7673	BINGER NIJECT - SICKLES 138KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30426	104.1986	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30426	104.6476	CHILDRESS - LAKE PAULINE 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30424	103.9286	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30422	103.7381	MARSHALL - WOODRING 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30422	103.7315	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30421	104.0123	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30421	103.9576	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3042	104.564	WRTOD400
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30418	107.5531	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30417	104.5137	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30416	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30416	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.3844	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.2662	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.224	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.0166	Canadian Pump Station - JENSEN ROAD 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30414	103.9039	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30414	103.7569	MCCOOL - MOORE 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30408	103.7534	JENSEN ROAD - JENSEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30404	104.0282	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30404	102.7526	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.3476	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.3207	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.3009	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.2966	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.2879	SPP-SWPS-T54
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.1574	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.1424	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.1332	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.0407	HOLLIS TAP - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.0119	CHILDRESS - HOLLIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	103.82	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.9503	LAKE PAULINE - RUSSELL 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.1494	SPP-WERE-07
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.1162	OGE3TERM7
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	102.9827	SPP-WERE-07B
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.1336	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.0421	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.042	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30395	103.9447	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30391	103.8803	BROOKLINE - MORGAN 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30391	103.1423	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.8466	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.7434	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.7233	CHISHOLM - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.7122	MCADAMS - WOLF CREEK 500KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30388	103.9061	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30387	102.9629	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30384	103.7401	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30383	103.7749	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7823	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7757	A143
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7715	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7563	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7509	STEGALL - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	104.0604	CONWAY SUB - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	104.0556	NICHOLS STATION - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	103.995	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	103.9825	SPP-SWPS-T53
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	103.9436	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30378	102.7584	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30376	102.9679	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30376	102.9647	AMRN_OUT55
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30376	102.8196	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30375	103.9192	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30375	103.8247	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30374	103.7319	KCPL-OPGD06A
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	110.4511	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	109.9425	GEN336153 1-WATERFORD UNIT#3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	109.5694	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	109.0677	GEN335831 1-RIVERBEND UNIT#1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	108.5684	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.8155	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.6395	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.5807	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.514	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.4369	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9723	GEN520947 1-HUGO1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9662	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9658	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9292	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.8507	GEN501813 1-RODEMACHER UNIT 3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.809	GEN337041 1-GERALD ANDRUS
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.8081	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.7027	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.5528	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.4405	GEN336831 1-BAXTER WILSON SES
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.4152	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.3717	GEN335206 1-NELSON UNIT 6
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.3683	GEN338388 1-1PLUMPT 23.000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2741	GEN509406 1-WELSH #3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.274	GEN509405 1-WELSH #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2739	GEN509404 1-WELSH #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.265	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2365	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.236	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2125	GEN335204 1-NELSON UNIT 4
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.1983	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.1849	GEN334440 1-SABINE UNIT 4
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.066	GEN509394 1-FLINT CREEK
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.9573	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.8589	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.8064	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.8057	GEN334441 1-SABINE UNIT 5
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.7618	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.6393	GEN512689 1-GRDA1 GSU1 22
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.5164	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.4381	GEN560282 1-G08-19 0.6000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.388	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.3763	GEN562010 1-G11_024_3 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.3302	GEN560175 1-G07-44 0.5750
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.0646	GEN336170 1-GULF OXY U4
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.989	GEN515040 1-SEMINOLE 1G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.9197	GEN515449 1-CRSRDW11 34.500
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.9178	GEN514910 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.9178	GEN514911 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.8708	GEN514942 2-REDBUD4G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.8672	GEN300006 1-NEW MADRID UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.8588	GEN300007 1-NEW MADRID UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7891	GEN334070 1-LEWIS CREEK 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.765	GEN334071 1-LEWIS CREEK 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7402	GEN560648 1-G07-21 0.5750
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7359	GEN514905 1-REDBUD3S
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7347	GEN514899 1-REDBUD1S
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7102	GEN514900 1-REDBUD2S
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.6344	GEN501823 1-TECHE UNIT 3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.6022	GEN511938 1-OEC STEAM # 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5954	GEN334432 1-SABINE UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5953	GEN334431 1-SABINE UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5203	GEN501910 1-ACADIA UNIT ST1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5089	GEN549893 2-SOUTHWEST 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4736	GEN334030 1-FRONTIER UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4736	GEN334031 1-FRONTIER UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4585	GEN560636 1-ASGI-10-06 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4541	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4541	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4441	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4055	GEN505432 1-SIKESTON
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3661	GEN318007 1-5MOROW161 161.00
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3288	GEN337428 1-PERVILLE UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3288	GEN337430 1-PERVILLE UNIT #3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3046	GEN337429 1-PERVILLE UNIT #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3032	GEN337432 1-PERVILLE UNIT #5
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2909	GEN337125 6-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2824	GEN337006 1-DUKE MCADAMS G1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2824	GEN337007 1-DUKE MCADAMS G2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2819	GEN335203 1-NELSON UNIT 3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2752	GEN515266 1-AES 1G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2752	GEN515267 1-AES 2G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2645	GEN337008 1-DUKE MCADAMS S1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2548	GEN547649 1-ASBURY UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.247	GEN501911 1-ACADIA UNIT CT1A
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.247	GEN501912 1-ACADIA UNIT CT1B
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2382	GEN336167 1-GULF OXY U1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2382	GEN336168 1-GULF OXY U2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2382	GEN336169 1-GULF OXY U3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2352	GEN336944 1-REX BROWN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2324	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2324	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2286	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.219	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2176	GEN542955 1-LACYGNE UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2101	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2074	GEN335075 1-DYNEGY#1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2074	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2057	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2056	GEN335570 1-CARVILLE CTG
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1866	GEN335572 1-CARVILLE STG
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.178	GEN560687 1-G11-007 0.5750
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1711	GEN338500 1-MCCLELLAN UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1702	GEN560323 1-G10-40 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1638	GEN520812 1-ANADRK5
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1637	GEN514912 2-REBUD GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0973	GEN511851 1-COMANCHE #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0826	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0649	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0319	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0312	GEN335201 1-NELSON UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0228	GEN520813 1-ANADRK6
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0171	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0034	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9954	GEN334456 1-CONOCO UNIT#1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9917	GEN338510 1-151KNWRI
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9917	GEN338511 1-1C7KNWRI
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9867	GEN520811 1-ANADRK4
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9857	GEN503900 1-FITZHUGH CT1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9677	GEN511843 1-RIVERSIDE STATION #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9637	GEN335202 1-NELSON UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9567	GEN506749 1-EASTMAN GENERATION A
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9496	GEN509409 1-WILKES #3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9374	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9287	GEN560169 1-G08-13 0.5750
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9085	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9082	GEN337124 5-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9031	GEN547656 1-STATE LINE UNIT #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8844	GEN335137 C4-PPG
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8824	GEN300016 1-1G1GPDEL 18.000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8824	GEN300017 1-1G2GPDEL 18.000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.879	GEN509408 1-WILKES #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8754	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8715	GEN521214 1-BLUCAN2 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8634	GEN511852 1-COMANCHE #2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8537	GEN334467 1-DUPONT UNIT#1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8518	GEN511853 1-COMANCHE #3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8511	GEN500915 3-WESTERN KRAFT
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8349	GEN334335 1-TOLEDO BEND
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8213	GEN335546 3-DOW COGEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.797	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.797	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7869	GEN335644 1-EXXON UNITS
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7685	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.765	GEN560118 1-G08-46 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7647	GEN337054 1-GREENWOOD
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4381	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4378	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4377	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4337	BASE CASE
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4337	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.2979	GEN599891 1-OKLAUN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.1603	GEN560694 1-G11-008-2 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.1601	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.1061	GEN560238 1-G10-09 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0913	GEN531493 1-CNTRLPLWG1 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.09	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0896	GEN523815 1-LLANO ESTACADO WIND GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0811	GEN523160 1-DWS FRISCO
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0811	GEN539945 1-FLATRWDWG1 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0783	GEN524485 1-CAPROCK WIND GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0746	GEN560432 1-G08-124 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0718	GEN560659 1-G07-38 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0695	GEN560356 1-G10-53 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0693	GEN560693 1-G11-008-1 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0633	GEN562035 1-G11_016_3 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0542	GEN560549 1-G06-06 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0421	GEN560180 1-G07-51 0.6000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0421	GEN560209 1-G07-40 0.5750
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0272	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0081	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9837	GEN562032 1-G11_017_3 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9829	GEN560522 1-G05-12 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9747	GEN515364 1-CENT 11 0.6000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9367	GEN522814 1-LUBBOCK POWER & LIGHT-MACKENZIE GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9199	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9147	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8917	GEN560173 1-G08-17 0.5750
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8835	GEN562014 1-G11_023_3 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8722	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8545	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8225	GEN515393 1-OGWIND2G
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.6946	GEN560170 1-G08-16 34.500
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.6933	GEN560595 1-G06-47 0.6000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.6921	GEN560592 1-G06-45 0.6000
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5838	GEN560279 1-G08-18 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5241	GEN560105 1-G08-22 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5013	GEN560221 1-G07-62-1 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5013	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.484	GEN560223 1-G07-62-3 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.484	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.4699	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.4378	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3919	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3771	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3418	GEN560359 1-G08-51 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.2814	GEN560187 1-G10-07 0.6900
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.2562	GEN523926 1-MAJESTIC WIND
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.2106	GEN560166 1-G07-48 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.1479	GEN562023 1-G11_020_3 0.6900	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.1479	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.0098	GEN523195 1-Hansford County Switch Station	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.9579	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.9577	GEN523462 1-BLACKHAWK GEN #2	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.5994	GEN562049 1-G11_012_3 0.6900	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.8647	GEN560585 1-G06-44-2 0.6000	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.5014	GEN526331 1-JONES GEN #1 22 KV	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.4946	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.0555	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.0555	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30368	103.1484	DOLET HILLS 345/230KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30367	104.9416	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30366	103.7678	CRAIG - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30362	103.0325	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30362	103.0166	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30361	103.1352	ARKANSAS NUCLEAR ONE - MABELVALE 500 500KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30356	102.8892	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30355	102.8714	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30354	102.9833	LACYGNE - STILWELL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30346	103.017	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30344	102.9161	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30344	102.7587	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3034	102.9713	GRDA-OPGD-05	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30334	103.7652	NORTHEAST STATION - TULSA NORTH 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30325	103.9379	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30302	103.0743	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30302	103.0738	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30275	104.0905	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3027	103.0441	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30254	102.8507	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30231	102.4879	CLEVELAND - SOONER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30199	102.8806	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30196	103.1135	SOONER - WOODRIGN 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30175	103.9229	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30157	102.7547	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.301	101.8128	REDBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30057	104.4089	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30057	103.8824	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30009	101.7541	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29834	102.4504	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29693	102.7555	MATTHEWSON 345.00 - WOODRIGN 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.2522	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.2522	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.24776	114.0742	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.22323	130.2276	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01G11_019	2	12G	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.22833	142.1808	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01G11_019	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.25388	125.8262	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01ALL	2	12G	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.2301	155.4818	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.25575	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01ALL	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21798	107.8074	DBL-THIS-WWR	
FDNS	3	2	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28941	100.6852	DBL-WICH-THI	
FDNS	2	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.43877	112.6262	DBL-THIS-WWR	
FDNS	2	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.37429	118.6835	DBL-WICH-THI	
FDNS	2	2	12G	G11_019	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31547	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	2	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.24769	103.6827	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	2	2	12G	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.22297	119.0314	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	1	2	12G	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.2276	137.4671	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	1	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.2531	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	1	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.2575	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2	12G	G11_019	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.2575	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	3	2	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28941	100.6852	DBL-WICH-THI	
FDNS	03ALL	4	12G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26965	111.6575	DBL-WICH-THI	
FDNS	00NR	2	17SP	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.35853	100.7783	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	00NR	2	12WP	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.34671	109.9621	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	00NR	2	17WP	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.34521	107.197	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01NR	2	12G	G11_019	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.34378	128.5224	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	2	12SP	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.33088	109.7871	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.31737	117.4066	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	12WP	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.30477	126.2686	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17WP	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.30407	121.8956	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01NR	2	12G	G11_019	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.30171	144.6544	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12714	145.9771	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12714	145.7817	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12651	128.8858	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12651	128.7393	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12544	148.2205	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12543	148.1131	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12429	131.0616	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12429	130.9549	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.10231	102.8385	DBL-THIS-WWR	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.10177	101.744	DBL-THIS-WWR	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09991	107.3157	DBL-THIS-WWR	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09936	106.3503	DBL-THIS-WWR	
FDNS	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09887	128.885	DBL-THIS-WWR	
FDNS	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09884	127.4632	DBL-THIS-WWR	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09056	122.1195	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09056	120.5609	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.09013	101.7852	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.09013	100.8847	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08999	120.3931	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08999	118.8314	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0896	100.4505	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08948	131.2975	DBL-WICH-THI	
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08946	114.0576	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08905	124.1512	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08905	122.6284	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08904	112.6897	DBL-WICH-THI	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08903	129.5966	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08846	122.5975	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08846	121.0774	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08845	118.3819	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08843	139.1518	DBL-WICH-THI	
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08826	102.662	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08826	101.7884	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08804	116.9643	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08797	137.5802	DBL-WICH-THI	
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08775	101.2966	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08775	100.4266	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0853	130.4868	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0853	110.4437	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08504	106.4336	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08483	129.0135	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08483	109.0016	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08459	105.2939	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0843	108.3149	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0843	108.3149	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08401	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08401	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08384	133.6272	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08384	114.1256	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08339	107.1332	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08335	132.2942	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08335	112.7924	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08296	105.9487	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08264	108.0516	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08261	110.788	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08261	110.788	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08231	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08231	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08223	106.7125	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0804	108.5794	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	107.9249	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	107.9228	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	107.9209	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	106.5698	SPP-SWPS-02A
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	103.9809	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	103.9755	SPP-SWPS-02
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	103.9638	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07986	106.9489	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	106.5196	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	106.5181	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	106.4959	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	105.1613	SPP-SWPS-02A
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	102.5775	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	102.5718	SPP-SWPS-02
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	102.5567	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07927	101.9042	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07927	101.7029	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07892	102.7495	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07892	102.7495	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07879	100.4691	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07879	100.2656	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07877	110.5774	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07877	101.1428	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07877	100.5371	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0785	101.3931	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0785	101.3931	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	110.3114	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	110.3101	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	109.7109	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	108.978	SPP-SWPS-02A
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	106.08	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	106.0771	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	106.0748	SPP-SWPS-02
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07821	108.9006	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	109.1826	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	109.1811	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	108.575	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	107.8473	SPP-SWPS-02A
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	105.6541	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	104.9422	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	104.9387	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	104.9371	SPP-SWPS-02
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07767	104.1523	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07767	104.0283	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07748	104.2949	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07736	106.2893	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07736	106.2893	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07718	103.0187	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07718	102.8928	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07692	105.0456	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07692	105.0456	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07657	101.015	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07657	100.3347	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07636	107.8483	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07636	100.3586	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07621	100	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0759	106.6953	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	131.0734	GEN520998 1-MORLND3
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	128.8051	GEN520997 1-MORLND2
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	107.7137	BASE CASE
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	102.148	GEN514805 1-SOONER UNIT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	101.5533	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.9278	GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.7199	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.4647	GEN560180 1-G07-51 0.6000
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.4533	BENTON - WICHITA 345KV CKT 1
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100	GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07531	103.9448	GEN520998 1-MORLND3
FDNS	00NR	2	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07531	102.3964	GEN520997 1-MORLND2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	2	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0752	105.8999	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	129.7931	GEN520998 1-MORLND3
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	127.5263	GEN520997 1-MORLND2
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	106.2587	BASE CASE
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	100.9187	GEN514805 1-SOONER UNIT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	100.2012	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	3	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07493	102.94	GEN520998 1-MORLND3
FDNS	00NR	3	17WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07493	101.3927	GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07488	101.8397	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07488	101.1191	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07467	104.2328	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07455	102.1823	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07444	100.5531	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07413	101.0908	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	128.9034	GEN520998 1-MORLND3
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	126.935	GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	110.7094	BASE CASE
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	103.2397	GEN514805 1-SOONER UNIT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	103.1164	GEN560180 1-G07-51 0.6000
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	102.7889	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	102.27	GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	102.234	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	101.5029	GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	101.2471	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.9897	GEN514806 1-SOONER UNIT 2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.585	GEN501801 1-DOLET HILLS UNIT1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.4105	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.3347	GEN515042 1-SEMINOLE 3G
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.3067	GEN509403 1-PIRKAY GENERATION
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.2713	GEN509416 1-TURK GENERATION
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.0515	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100	GEN511848 1-SOUTHWESTERN STATION #3
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07353	104.5187	GEN520998 1-MORLND3
FDNS	00NR	2	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07353	102.973	GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	127.7308	GEN520998 1-MORLND3
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	125.7636	GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	109.3872	BASE CASE
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	102.0881	GEN514805 1-SOONER UNIT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	101.9766	GEN560180 1-G07-51 0.6000
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	101.4668	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100.9614	GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100.9454	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100.2145	GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07316	103.4779	GEN520998 1-MORLND3
FDNS	00NR	3	12WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07316	101.9336	GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07303	110.3708	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07288	129.0876	GEN560180 1-G07-51 0.6000
FDNS	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07288	104.7128	GEN515790 1-FPLWND2
FDNS	01NR	2	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07288	100.9973	GEN520922 1-SLEEPING BEAR
FDNS	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07253	127.9273	GEN560180 1-G07-51 0.6000
FDNS	01NR	3	12G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07253	103.5419	GEN515790 1-FPLWND2
FDNS	00NR	3	12SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07247	108.7926	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04905	264.4019	DBL-WICH-THI
FDNS	00NR	2	17WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04905	242.1252	DBL-WICH-THI
FDNS	00NR	3	17WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04897	262.6686	DBL-WICH-THI
FDNS	00NR	3	17WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04897	240.4691	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04831	252.8302	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04831	227.8342	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04823	251.0567	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04823	226.1368	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.0458	112.555	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.0458	110.3883	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04438	103.1276	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04438	101.1441	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	2	12SP	G11_019	FROM->TO	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	382	0.04338	100.705	BENTON - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	FROM->TO	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	382	0.04314	100.3303	BENTON - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04307	110.2888	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04307	108.1452	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12WP	G11_019	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	319	0.04262	100.0926	DBL-WICH-THI
FDNS	00NR	3	12SP	G11_019	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04172	101.0189	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.04063	150.4974	DBL-THIS-WWR
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.04015	149.0966	DBL-THIS-WWR
FDNS	01NR	3	12G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03787	103.0399	DBL-THIS-WWR
FDNS	01NR	2	12G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03785	102.9522	DBL-THIS-WWR
FDNS	00NR	2	12WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.0364	186.9629	DBL-WICH-THI
FDNS	00NR	2	12WP	G11_019	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.0364	183.5521	DBL-WICH-THI
FDNS	00NR	2	12WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.0364	168.58	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03634	185.7277	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_019	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03634	182.4801	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03634	167.393	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03601	132.3873	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	00NR	2	12SP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03601	128.7552	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	00NR	2	12SP	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.03601	100.9507	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03579	131.017	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	00NR	3	12SP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03579	127.399	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	00NR	3	12SP	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.03579	100.2531	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	00NR	2	12WP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03577	122.1605	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	00NR	2	12WP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03577	118.92	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	00NR	3	12WP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03558	120.8205	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	00NR	3	12WP	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03558	117.594	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03543	140.799	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03543	108.6507	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	00NR	2	12SP	G11_019	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03537	173.9215	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03537	170.64	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03537	150.5249	DBL-WICH-THI
FDNS	00NR	3	12SP	G11_019	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03531	172.917	DBL-WICH-THI
FDNS	00NR	3	12SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03531	169.4811	DBL-WICH-THI
FDNS	00NR	3	12SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03531	149.3907	DBL-WICH-THI
FDNS	01NR	3	12G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03524	139.4287	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03524	107.3879	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	00NR	2	12WP	G11_019	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.03506	101.1268	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_019	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.03502	101.4408	DBL-WICH-THI
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03371	137.9932	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03371	137.9932	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03369	135.6714	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03368	135.6781	DBL-HTCH-BVR
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03329	136.7097	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03329	136.7097	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03321	134.2767	DBL-HTCH-BVR
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03319	134.1966	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03318	138.2895	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03318	138.1577	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03284	137.5812	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03278	137.0623	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03278	136.9302	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03274	138.1913	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03274	138.0092	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03263	137.1727	DOVER SW - OKEENE 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03249	138.0188	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03249	138.004	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03239	137.2988	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03239	136.9279	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03239	136.9279	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03234	136.9609	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03234	136.7782	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03231	135.9494	DBL-FINY-HOL
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03224	136.12	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03223	135.9399	DOVER SW - OKEENE 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03222	139.5125	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03222	136.1397	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03222	136.1314	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03211	136.2974	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03211	136.2635	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03205	136.6598	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03205	136.6446	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03204	136.4353	CANTON - TALOGA 69KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03204	136.2023	CANTON - OKEENE 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03198	135.656	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03198	135.656	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03195	143.535	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.0319	134.6885	DBL-FINY-HOL
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03182	138.2521	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03181	134.8091	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03177	134.8256	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03177	134.8169	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03174	135.8917	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.8831	PUTNAM - TALOGA 69KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.7659	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.7636	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.7589	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.5668	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.0317	135.0445	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.0317	135.0102	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03163	135.1886	CANTON - TALOGA 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03163	134.9557	CANTON - OKEENE 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03158	142.3895	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03132	134.5887	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.5948	PUTNAM - TALOGA 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.4781	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.4757	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.4709	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.2873	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03119	136.4176	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03118	136.3119	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03109	130.2515	OGE3TERM10
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	153.1631	BASE CASE
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.3532	GEN560323 1-G10-40 0.6900
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.919	GEN515042 1-SEMINOLE 3G
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.6186	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.575	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.7494	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.6666	GEN515364 1-CENT 11 0.6000
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.2293	GEN520922 1-SLEEPING BEAR
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.2074	GEN515393 1-OGEWIND2G
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.1218	GEN515790 1-FPLWIND2
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	129.5456	GEN562023 1-G11_020_3 0.6900
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	129.5456	GEN562026 1-G11_019_3 0.6900
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	128.4411	GEN560429 1-G08-29 0.6400
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	126.8885	GEN560180 1-G07-51 0.6000
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	119.7465	GEN515389 1-TLGAWND1 34.500
FDNS	00NR	2	17WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.0309	152.34	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.0309	152.0151	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.0309	137.4978	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.0309	137.1902	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03084	135.3959	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03083	135.2834	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03081	130.9457	CIMARRON - CZECH HALL 138KV CKT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	151.7249	BASE CASE
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.9267	GEN560323 1-G10-40 0.6900
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5898	GEN515042 1-SEMINOLE 3G
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.4102	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.3425	GEN514806 1-SOONER UNIT 2
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	129.5061	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	129.4223	GEN515364 1-CENT 11 0.6000
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.9959	OGE3TERM10
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.9824	GEN520922 1-SLEEPING BEAR
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.9658	GEN515393 1-OGEWIND2G
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.8747	GEN515790 1-FPLWIND2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.3318	GEN562023 1-G11_020_3 0.6900	
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.3318	GEN562026 1-G11_019_3 0.6900	
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	127.2034	GEN560429 1-G08-29 0.6400	
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	125.6426	GEN560180 1-G07-51 0.6000	
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	118.506	GEN515389 1-TLGAWND1 34.500	
FDNS	00NR	2	17SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03067	151.5887	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03067	151.2853	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03067	134.01	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03067	133.7269	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	2	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03059	130.2641	EL RENO - JENSEN TAP 138KV CKT 1	
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03039	129.6917	CIMARRON - CZECH HALL 138KV CKT 1	
FDNS	01NR	3	12G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03019	129.0371	EL RENO - JENSEN TAP 138KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_020		Non Converged Contingency	0	0.33368	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	G11_020		Non Converged Contingency	0	0.25009	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	G11_020		Non Converged Contingency	0	0.08497	-	DBL-FINY-HOL	
FNSL-Blown up	3	0	12G	G11_020		Non Converged Contingency	0	0.25107	-	DBL-WICH-THI	
FNSL-Blown up	01ALL	0	12G	G11_020		Non Converged Contingency	1195	0.24755	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_020		Non Converged Contingency	1052	0.08497	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_020		Non Converged Contingency	1324	0.03543	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_020		Non Converged Contingency	1195	0.24755	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	0	0.24949	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1195	0.24144	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	717	0.03025	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	717	0.04503	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1195	0.24144	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.05662	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1195	0.0503	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.12474	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	956	0.03187	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	559	0.0651	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1328	0.04596	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.05662	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1328	0.04846	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1324	0.03883	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1792	0.04641	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	956	0.03521	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1052	0.03883	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	956	0.05926	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_020		Non Converged Contingency	1052	0.03883	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_020		Non Converged Contingency	0	0.22457	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	2	12G	G11_020		Non Converged Contingency	0	0.07758	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G11_020		Non Converged Contingency	1052	0.07758	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1195	0.2397	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1195	0.2397	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1792	0.04978	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1792	0.04431	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1328	0.0465	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1328	0.04409	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	717	0.04336	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1195	0.03127	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1792	0.04978	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1051	0.04523	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1195	0.03127	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1792	0.11819	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1792	0.11819	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	956	0.03046	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	956	0.03391	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	0	0.23639	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_020		Non Converged Contingency	1324	0.03825	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_020		Non Converged Contingency	1052	0.0768	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_020		Non Converged Contingency	0	0.22347	-	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	02ALL	3	12G	G11_020		Non Converged Contingency	0	0.0768	-	DBL-FINY-HOL
FNSL-Blown up	03ALL	3	12G	G11_020		Non Converged Contingency	1792	0.04615	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_020		Non Converged Contingency	0	0.22911	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_020		Non Converged Contingency	0	0.22633	-	DBL-WICH-THI
FNSL	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7714	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FNSL	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7089	SPP-WERE-07C
FNSL	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	118.4243	GEN336153 1-WATERFORD UNIT#3
FNSL	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	113.2862	GEN336153 1-WATERFORD UNIT#3
FNSL	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.9264	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FNSL	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.8671	SPP-WERE-07C
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.0195	SPP-WERE-07C
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.0774	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30395	104.0029	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30393	104.0475	SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8493	GEN523277 1-VALERO SUB
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3372	GEN560584 1-G06-44-1 0.6000
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.8321	GEN527162 1-MUSTANG GEN #2
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.4316	GEN527161 1-MUSTANG GEN #1
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.338	GEN527902 1-HOBBS PLANT #2 (CT)
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.3231	GEN527901 1-HOBBS PLANT #1 (CT)
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.0465	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FNSL	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.301	GEN527903 1-HOBBS PLANT #3 (ST)
FNSL	01G11_020	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.25785	114.3718	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01G11_020	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.25785	114.3718	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01ALL	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.25875	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01ALL	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.25875	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.32461	114.0523	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.32461	114.0523	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12291	119.4378	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12291	119.4075	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08779	123.4564	DBL-WICH-THI
FNSL	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08739	122.2297	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08137	105.4326	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08137	105.4326	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08112	104.6013	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08112	104.6013	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.05448	150.4867	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.05446	150.0025	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03659	148.9802	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03644	184.4672	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03644	180.7371	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03644	166.4233	DBL-WICH-THI
FNSL	01NR	3	12G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03639	184.1928	DBL-WICH-THI
FNSL	01NR	3	12G	G11_020	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03639	180.5032	DBL-WICH-THI
FNSL	01NR	3	12G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03639	166.2246	DBL-WICH-THI
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03615	147.6862	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03505	143.7192	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03505	143.7192	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03473	142.7274	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03473	142.7274	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	3	12G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03381	102.368	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03377	102.2124	DBL-WICH-THI
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03369	140.3275	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03319	138.7323	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	140.1015	GEN336821 1-GRAND GULF UNIT
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	139.5891	GEN336153 1-WATERFORD UNIT#3
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	139.0154	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	138.7433	GEN335831 1-RIVERBEND UNIT#1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	138.062	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.4442	GEN337652 1-WHITE BLUFF UNIT #1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.2871	GEN338146 1-INDEPENDENCE UNIT #2
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.2304	GEN501801 1-DOLET HILLS UNIT1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.2192	GEN338143 1-INDEPENDENCE UNIT #1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	137.0914	GEN337653 1-WHITE BLUFF UNIT #2
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.621	GEN336251 1-NINEMILE POINT UNIT#4
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.5359	GEN509403 1-PIRKEY GENERATION
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.5244	GEN337041 1-GERALD ANDRUS

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.5164	GEN501813 1-RODEMACHER UNIT 3
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.3706	GEN509416 1-TURK GENERATION
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.1443	GEN336831 1-BAXTER WILSON SES
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.141	GEN338388 1-1PLUMPT 23.000
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.0898	GEN501812 1-RODEMACHER UNIT 2
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.0507	GEN515226 1-MUSKOGEE 6G
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.0502	GEN335206 1-NELSON UNIT 6
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.894	GEN335204 1-NELSON UNIT 4
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8688	GEN509406 1-WELSH #3
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8687	GEN509404 1-WELSH #1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8687	GEN509405 1-WELSH #2
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.8599	GEN334440 1-SABINE UNIT 4
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.7566	GEN515225 1-MUSKOGEE 5G
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.7561	GEN515223 1-MUSKOGEE 4G
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.4875	GEN334441 1-SABINE UNIT 5
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.4717	GEN336801 1-BAXTER WILSON UNIT #1
FNSL	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.429	GEN512688 2-GRDA1 GSU2 22
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	138.7226	GEN336821 1-GRAND GULF UNIT
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	138.2146	GEN336153 1-WATERFORD UNIT#3
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	137.6607	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	137.3856	GEN335831 1-RIVERBEND UNIT#1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	136.7249	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	136.1172	GEN337652 1-WHITE BLUFF UNIT #1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.9681	GEN338146 1-INDEPENDENCE UNIT #2
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.9026	GEN338143 1-INDEPENDENCE UNIT #1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.8848	GEN501801 1-DOLET HILLS UNIT1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.7711	GEN337653 1-WHITE BLUFF UNIT #2
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.3045	GEN336251 1-NINEMILE POINT UNIT#4
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.2138	GEN337041 1-GERALD ANDRUS
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.2021	GEN509403 1-PIRKEY GENERATION
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.1969	GEN501813 1-RODEMACHER UNIT 3
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	135.0383	GEN509416 1-TURK GENERATION
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.8434	GEN338388 1-1PLUMPT 23.000
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.8386	GEN336831 1-BAXTER WILSON SES
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.7791	GEN501812 1-RODEMACHER UNIT 2
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.7415	GEN335206 1-NELSON UNIT 6
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5884	GEN335204 1-NELSON UNIT 4
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5541	GEN334440 1-SABINE UNIT 4
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5495	GEN509406 1-WELSH #3
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5494	GEN509405 1-WELSH #2
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5493	GEN509404 1-WELSH #1
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.4582	GEN515225 1-MUSKOGEE 5G
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.4577	GEN515223 1-MUSKOGEE 4G
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.1892	GEN334441 1-SABINE UNIT 5
FNSL	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.1784	GEN336801 1-BAXTER WILSON UNIT #1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30521	104.5	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30395	104.1	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30379	103.8	NORTH MEMPHIS REC - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30379	103.8	MEMPHIS - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30379	103.8	SPP-AEPW-25
FDNS-CHECK-TC-I	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.7	GEN524286 1-CLR_3 0.6900
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36712	147.1914	DBL-THIS-WWR
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30909	140.4943	DBL-WICH-THI
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27952	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27952	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26028	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36691	136.9326	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36008	135.5058	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	134.7719	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	134.0026	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26206	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26206	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	133.3152	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25511	132.9655	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30876	132.8871	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26166	132.853	DBL-FINY-HOL	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	132.814	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	131.9628	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26534	131.8818	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26534	131.831	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26166	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	131.0805	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.9163	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.8369	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26028	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.6086	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	130.5303	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26166	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.8586	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25943	129.8511	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.8409	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26028	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.7529	GEN337041 1-GERALD ANDRUS	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.6935	GEN501813 1-RODEMACHER UNIT 3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.5667	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.4255	GEN520947 1-HUGO1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.4166	GEN509403 1-PIRKEY GENERATION	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.386	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.3847	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.3437	GEN338388 1-1PLUMPT 23.000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.2298	GEN560323 1-G10-40 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.2206	GEN336831 1-BAXTER WILSON SES	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.1796	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.1255	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	129.0854	GEN335206 1-NELSON UNIT 6	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.9622	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.9615	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.877	GEN335204 1-NELSON UNIT 4	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.8222	GEN334440 1-SABINE UNIT 4	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.8037	GEN515042 1-SEMINOLE 3G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25511	128.7551	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25137	128.6482	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.6306	GEN515040 1-SEMINOLE 1G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.5674	GEN509406 1-WELSH #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.5673	GEN509404 1-WELSH #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.5673	GEN509405 1-WELSH #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.4899	GEN512688 2-GRDA1 GSU2 22	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25268	128.4488	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.4114	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25268	128.3815	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25166	128.3701	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.3279	GEN334441 1-SABINE UNIT 5	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.3217	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25511	128.3098	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25224	128.294	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25166	128.2715	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.2203	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25137	128.1858	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25163	128.1808	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.1754	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.1178	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	128.0517	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	127.8444	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.8298	GEN512689 1-GRDA1 GSU1 22	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25943	127.7925	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25396	127.7473	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.6862	GEN515041 1-SEMINOLE 2G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.588	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25061	127.5366	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25061	127.5165	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25057	127.4217	MOORELAND - NINE MILE 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.4095	GEN336170 1-GULF OXY U4	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25057	127.4013	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.2846	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.2765	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2505	127.2491	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.1934	GEN514911 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.1933	GEN514910 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	127.1321	GEN514942 2-REDBUD4G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25047	127.075	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25076	127.0696	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24906	127.0195	SPP-SWPS-03	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25505	126.9854	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9818	GEN334070 1-LEWIS CREEK 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9516	GEN514905 1-REDBUD3S	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9513	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9503	GEN514899 1-REDBUD1S	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.9179	GEN514900 1-REDBUD2S	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24877	126.9089	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24807	126.8718	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.8517	GEN542956 2-LACYGNE UNIT #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.8505	GEN542955 1-LACYGNE UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24957	126.8356	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.8235	GEN501823 1-TECHE UNIT 3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25199	126.7597	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.7456	GEN334432 1-SABINE UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.7455	GEN334431 1-SABINE UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.723	GEN542962 2-IATAN UNIT #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24848	126.6892	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25505	126.6755	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.6639	GEN501910 1-ACADIA UNIT ST1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.6504	GEN549893 2-SOUTHWEST 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.6374	GEN505432 1-SIKESTON	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5928	GEN511938 1-OEC STEAM # 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24914	126.5819	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5502	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5416	GEN334030 1-FRONTIER UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5416	GEN334031 1-FRONTIER UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24653	126.5378	CIMARRON - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5061	GEN318007 1-5MOROW161 161.00	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.5016	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.476	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24911	126.4522	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4469	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4469	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4351	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4126	GEN542951 5-HAWTHORN UNIT #5	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24911	126.412	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24907	126.4113	SPP-MKEC-08	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4078	GEN337125 6-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4071	GEN560706 1-G11-010 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4004	GEN337428 1-PERYVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.4004	GEN337430 1-PERYVILLE UNIT #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3997	GEN337006 1-DUKE MCADAMS G1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3997	GEN337007 1-DUKE MCADAMS G2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3977	GEN515266 1-AES 1G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3977	GEN515267 1-AES 2G	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3691	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.369	GEN337429 1-PERYVILLE UNIT #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3688	GEN337432 1-PERYVILLE UNIT #5	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3669	GEN337008 1-DUKE MCADAMS S1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25144	126.3641	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2484	126.3551	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3415	GEN335203 1-NELSON UNIT 3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	126.3398	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24773	126.3236	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24936	126.3202	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3176	GEN547649 1-ASBURY UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24896	126.3168	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25199	126.3152	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.308	GEN336944 1-REX BROWN	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.304	GEN501911 1-ACADIA UNIT CT1A	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.304	GEN501912 1-ACADIA UNIT CT1B	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.3003	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2901	GEN336167 1-GULF OXY U1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2901	GEN336168 1-GULF OXY U2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2901	GEN336169 1-GULF OXY U3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2831	GEN560623 1-ASGI-10-01 0.6000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25273	126.2704	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24801	126.2684	WRTOD400	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2648	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24827	126.2643	CIRCLE - MULLERGREEN 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2561	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24851	126.253	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.2478	STATELINE INTERCHANGE - STLIN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2473	GEN335570 1-CARVILLE CTG	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2473	GEN335571 1-CARVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.2456	STLIN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	126.245	SPP-SWPS-02	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2316	GEN335075 1-DYNEGY#1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2316	GEN335076 1-DYNEGY UNIT2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24851	126.2242	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24799	126.2226	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2225	GEN335572 1-CARVILLE STG	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	126.2162	MULLERGREEN - SPEARVILLE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25273	126.2148	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2071	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2054	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25088	126.2053	BENTON - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.205	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24936	126.2024	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2014	GEN514912 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.2012	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1973	GEN645011 1-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24877	126.1827	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24954	126.1806	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1791	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1791	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24975	126.1774	OGE3TERM1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.1509	GEN506752 1-LEBROCK GAS 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24954	126.1317	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24896	126.1214	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24954	126.0986	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2485	126.0825	AXTELL - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24955	126.066	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0606	GEN520812 1-ANADRK5	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0591	GEN337954 1-LYNCH UNIT #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.0504	SPP-WEPL-03	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.0504	SPP-WERE-34	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0485	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.0451	SPP-MKEC-05	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0344	GEN338513 1-BAILEY UNIT #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	126.031	SPP-WEPL-03A	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.022	GEN549890 1-SOUTHWEST 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.0167	GEN335201 1-NELSON UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	126.003	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9951	GEN520813 1-ANADRK6	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9751	GEN338510 1-1S1KNWRI	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9751	GEN338511 1-1C7KNWRI	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24805	125.9694	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9667	GEN334456 1-CONOCO UNIT#1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24899	125.9537	SPP-SWPS-02A	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2489	125.9489	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	125.943	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24807	125.9427	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24936	125.9408	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.9408	MOORE - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9305	GEN511851 1-COMANCHE #1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.92	GEN335202 1-NELSON UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24805	125.9178	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9071	GEN520811 1-ANADRK4	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24878	125.9068	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.9029	GEN503900 1-FITZHUGH CT1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8963	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8882	GEN546702 1-NM GEN N1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8873	GEN337124 5-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.88	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8721	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.862	GEN300016 1-1G1GPDEL 18.000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.862	GEN300017 1-1G2GPDEL 18.000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8589	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8525	GEN506749 1-EASTMAN GENERATION A	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8444	GEN509409 1-WILKES #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8414	GEN547656 1-STATE LINE UNIT #2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24813	125.8391	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8367	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24839	125.8363	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24885	125.8183	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.818	GEN335137 C4-PPG	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8157	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8148	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.8113	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.8109	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2478	125.7965	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24844	125.7934	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.7864	KNOBHILL - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24794	125.7814	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7807	GEN334467 1-DUPONT UNIT#1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24825	125.7786	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7673	GEN500915 3-WESTERN KRAFT	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.7617	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.7576	HELENA TAP - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7553	GEN599891 1-OKLAUN	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7506	GEN334335 1-TOLEDO BEND	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24889	125.7444	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24893	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7428	GEN335546 3-DOW COGEN	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	125.7421	CANTON - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24788	125.7411	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.7383	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337102 1-MEPS CLARKESDALE CTG6 (MDEA)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337103 1-MEPS CLARKESDALE CTG6 (MDEA)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7274	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7266	GEN521214 1-BLUCAN2 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24813	125.7244	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24785	125.7218	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7171	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7116	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7116	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7109	GEN560169 1-G08-13 0.5750	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24818	125.7045	CANTON - OKEENE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.7043	GEN335644 1-EXXON UNITS	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.6945	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24827	125.6916	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6915	GEN511853 1-COMANCHE #3	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24813	125.6879	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24824	125.6874	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6865	GEN511852 1-COMANCHE #2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24759	125.6846	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6789	GEN337054 1-GREENWOOD	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.6786	SPP-SWPS-T54	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.6776	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	125.6767	GOLTRY - IMO 69KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24792	125.6761	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25144	125.6664	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24771	125.648	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24776	125.6258	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.6037	GEN560603 1-G07-06 0.6000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24826	125.6019	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.2435	BASE CASE	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	125.2435	NC1_GEN-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24938	125.1336	DBL-THIS-CLR	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2476	125.0274	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2476	125.0061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.9022	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24781	124.8966	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.89	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8765	GEN562014 1-G11_023_3 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24673	124.8637	SPP-AEPW-01	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24629	124.8617	MUSKOGEE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8495	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2475	124.8428	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8392	GEN560585 1-G06-44-2 0.6000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.8359	SPP-WERE-07	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	124.8277	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.8258	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24691	124.8227	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.8216	GEN560173 1-G08-17 0.5750	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.8097	OGE3TERM7	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24744	124.8094	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24762	124.7894	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24762	124.7782	AMRN_OUT55	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24809	124.7759	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24732	124.7659	GRDA-OPGD-05	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24774	124.7461	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7408	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.7407	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.735	GEN560170 1-G08-16 34.500	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.7174	GEN524286 1-CLR_3 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24807	124.7117	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6986	GEN560595 1-G06-47 0.6000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6976	GEN560592 1-G06-45 0.6000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6959	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6959	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24793	124.6792	SPP-WERE-07B	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6645	GEN560586 1-G06-44-3 0.6000	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24687	124.6641	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6567	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24677	124.6563	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24762	124.6536	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.6414	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24763	124.5907	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5823	GEN560256 1-G10-14-1 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5768	GEN560105 1-G08-22 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5685	GEN560257 1-G10-14-2 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.5672	GEN560279 1-G08-18 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2497	124.5262	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24639	124.5114	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24639	124.511	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.4955	GEN562042 1-G11_014_3 0.6900	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24738	124.4825	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.4771	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24616	124.4535	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25074	124.4329	WOODWARD DISTRICT EHV (WWDHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2471	124.4324	NORTHWEST (NORTW3T) 345/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25075	124.4302	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.398	GEN560359 1-G08-51 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24684	124.3903	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3501	GEN560166 1-G07-48 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24592	124.3446	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3381	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3318	GEN560598 1-G06-49 0.6000
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.3209	GEN560570 1-G06-39 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25144	124.2829	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2823	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2701	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2699	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.2587	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24706	124.2137	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24817	124.1651	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2497	124.1621	G08-1277 345.00 - ROSE HILL 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24269	124.1504	NORTHWEST - SPRING CREEK 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24269	124.1473	SOONER - SPRING CREEK 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24588	124.1398	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.1373	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.0888	GEN515790 1-FPLWND2
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.0682	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	124.0115	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.998	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23991	123.9588	ARCADIA - NORTHWEST 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.7633	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24653	123.6981	GRACEMONT - MINCO 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.6888	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.6781	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.5251	GEN526331 1-JONES GEN #1 22 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.5216	GEN526332 1-JONES GEN #2 21 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.4035	GEN515397 1-OUSPR1 34.500
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.2881	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.1076	GEN515364 1-CENT 11 0.6000
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	123.0003	GEN560180 1-G07-51 0.6000
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.9398	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24482	122.6968	REBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.4416	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.4201	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.4194	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.3272	GEN515393 1-OGEWND2G
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	122.2883	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2397	122.1911	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25923	121.4419	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.264	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.264	GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.1414	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.1414	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	121.1328	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	120.4955	GEN560429 1-G08-29 0.6400
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	120.2863	GEN515450 1-CRSRDW21 34.500
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	120.2672	GEN515449 1-CRSRDW11 34.500
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27868	119.821	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27868	119.821	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	119.131	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	118.9958	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	118.9958	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	0	12G	G11_020	TO->FROM	FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1	1052	0.19823	118.7202	DBL-THIS-WWR
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	117.7991	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	117.3439	GEN335831 1-RIVERBEND UNIT#1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26115	117.0958	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26115	117.0958	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29007	116.7694	DBL-HTCH-BVR
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29007	116.7694	DBL-HTCH-BVR
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	116.6218	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	116.3503	GEN560648 1-G07-21 0.5750
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25414	115.948	EL RENO - ROMAN NOSE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		2	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.30349	115.8542	DBL-WICH-THI
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	115.8132	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.26083	115.7203	DBL-FINY-HOL
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	115.6632	GEN338146 1-INDEPENDENCE UNIT #2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25882	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	115.5922	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.26437	115.3941	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.26437	115.3746	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	115.362	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	115.3038	GEN501801 1-DOLET HILLS UNIT1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25923	115.1303	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.7009	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.6202	GEN337041 1-GERALD ANDRUS
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.6009	GEN514806 1-SOONER UNIT 2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.527	GEN501813 1-RODEMACHER UNIT 3
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.26083	114.434	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.4232	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.378	GEN509403 1-PIRKEY GENERATION
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25846	114.3501	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.3018	GEN514805 1-SOONER UNIT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25923	114.296	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.2703	GEN520947 1-HUGO1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.2252	GEN515226 1-MUSKOGEE 6G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.2014	GEN338388 1-PLUMPT 23.000
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.1524	GEN509416 1-TURK GENERATION
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	114.1183	GEN336831 1-BAXTER WILSON SES
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	113.9892	GEN336821 1-GRAND GULF UNIT
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.9887	GEN501812 1-RODEMACHER UNIT 2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.9509	GEN335206 1-NELSON UNIT 6
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.8299	GEN515225 1-MUSKOGEE 5G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.8292	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.7563	GEN335204 1-NELSON UNIT 4
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.7049	GEN334440 1-SABINE UNIT 4
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.6893	GEN515042 1-SEMINOLE 3G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.5618	GEN509406 1-WELSH #3
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.5617	GEN509405 1-WELSH #2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.5616	GEN509404 1-WELSH #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.27834	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.27834	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.4732	GEN512688 2-GRDA1 GSU2 22
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.3901	GEN509394 1-FLINT CREEK
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.3295	GEN560323 1-G10-40 0.6900
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.2632	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25414	113.2608	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.2412	GEN334441 1-SABINE UNIT 5
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.2035	GEN511839 1-NORTHEASTERN STATION #2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.26083	113.1802	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.1063	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25047	113.0667	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	113.046	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25414	112.9017	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25846	112.8941	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	112.8359	GEN512689 1-GRDA1 GSU1 22
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25173	112.7712	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	112.7567	GEN515040 1-SEMINOLE 1G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25072	112.7373	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24803	112.7183	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24803	112.7177	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25173	112.7155	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24623	112.7067	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25047	112.6607	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25072	112.6566	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	112.6409	GEN515041 1-SEMINOLE 2G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25136	112.6243	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25172	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.25074	112.5826	MINGO - SETAB 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	0.24661	112.5638	GEN560687 1-G11-007 0.5750

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25301	112.5197	BENTON - WICHITA 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.3797	GEN336170 1-GULF OXY U4	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.263	GEN300006 1-NEW MADRID UNIT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	112.2585	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.2562	GEN300007 1-NEW MADRID UNIT 2	
FDNS	2	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.36169	112.2028	DBL-THIS-WWR	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.1765	GEN514911 2-REDBUD GEN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.1764	GEN514910 2-REDBUD GEN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24967	112.1552	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24967	112.1241	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.118	GEN514942 2-REDBUD4G	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	112.1096	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	112.059	GEN560175 1-G07-44 0.5750	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2481	112.0309	SPP-SWPS-03	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.975	GEN334070 1-LEWIS CREEK 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24703	111.9624	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.9497	GEN514905 1-REDBUD3S	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.9484	GEN514899 1-REDBUD1S	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.9463	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	111.9442	GEN562010 1-G11_024_3 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24961	111.9219	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.9178	GEN514900 1-REDBUD2S	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.8987	GEN542956 2-LACYGNE UNIT #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.8972	GEN542955 1-LACYGNE UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24962	111.8596	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24962	111.8441	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25034	111.841	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.8239	GEN501823 1-TECHE UNIT 3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.7961	GEN542962 2-IATAN UNIT #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.7732	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24953	111.7621	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.7583	GEN334432 1-SABINE UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.7582	GEN334431 1-SABINE UNIT 1	
FDNS	01ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24755	111.7538	GEN560282 1-G08-19 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24986	111.7021	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.7017	GEN549893 2-SOUTHWEST 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24862	111.6934	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25172	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.6822	GEN501910 1-ACADIA UNIT ST1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.6788	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24752	111.6768	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24782	111.6589	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.6541	GEN505432 1-SIKESTON	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.6424	GEN511938 1-OEC STEAM # 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.5753	GEN542957 1-IATAN UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.563	GEN334030 1-FRONTIER UNIT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.563	GEN334031 1-FRONTIER UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.5292	GEN318007 1-5MOROW161 161.00	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.5073	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.5073	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4957	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4879	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4843	GEN645012 2-NEBRASKA CITY 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.481	GEN542951 5-HAWTHORN UNIT #5	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	111.4691	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25104	111.4518	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.444	GEN337125 6-LS POWER BATESVILLE	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4392	GEN337428 1-PERYVILLE UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4392	GEN337430 1-PERYVILLE UNIT #3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24675	111.4389	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4283	GEN337006 1-DUKE MCADAMS G1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4283	GEN337007 1-DUKE MCADAMS G2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25178	111.427	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.425	GEN515266 1-AES 1G	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.425	GEN515267 1-AES 2G	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26078	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26078	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4091	GEN337429 1-PERYVILLE UNIT #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4089	GEN337432 1-PERYVILLE UNIT #5	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.4051	GEN337008 1-DUKE MCADAMS S1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25178	111.3773	DEWEY - IODINE 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3737	GEN335203 1-NELSON UNIT 3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3704	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25413	111.3642	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3597	GEN547649 1-ASBURY UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3514	GEN560623 1-ASGI-10-01 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3495	GEN336944 1-REX BROWN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2482	111.3493	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.3475	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.3465	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.3452	SPP-SWPS-02	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24816	111.3435	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3384	GEN501911 1-ACADIA UNIT CT1A	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3384	GEN501912 1-ACADIA UNIT CT1B	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3341	GEN336167 1-GULF OXY U1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3341	GEN336168 1-GULF OXY U2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3341	GEN336169 1-GULF OXY U3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3136	GEN645011 1-NEBRASKA CITY 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24816	111.3078	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3036	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3034	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3033	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.3009	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24814	111.2984	SPP-MKEC-08	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2978	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2931	GEN335570 1-CARVILLE CTG	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2931	GEN335571 1-CARVILLE UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24707	111.2842	WRTOD400	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	111.2802	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2776	GEN335075 1-DYNEGY#1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2776	GEN335076 1-DYNEGY UNIT2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24747	111.2763	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2694	GEN335572 1-CARVILLE STG	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	111.2569	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24705	111.2438	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2404	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2399	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2399	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2371	GEN514912 2-REDBUD GEN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2244	GEN560706 1-G11-010 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.2185	GEN506752 1-LEBROCK GAS 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24562	111.2095	CIMARRON - MINCO 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24991	111.1975	BENTON - ROSE HILL 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24734	111.1719	CIRCLE - MULLERGREY 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	111.1691	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.1636	GEN645001 1-FORT CALHOUN 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25034	111.163	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24748	111.1386	MULLERGREY - SPEARVILLE 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24758	111.1304	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24802	111.1233	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.1198	GEN520812 1-ANADRSK5	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.1109	GEN337954 1-LYNCH UNIT #3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24758	111.1106	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0916	GEN549890 1-SOUTHWEST 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25413	111.0851	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0817	GEN338513 1-BAILEY UNIT #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24782	111.0735	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.068	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0646	GEN335201 1-NELSON UNIT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25104	111.059	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24803	111.0466	SPP-SWPS-02A	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	111.0306	SPP-WEPL-03	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	111.0306	SPP-WERE-34	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24758	111.0304	AXTELL - PAULINE 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	111.0268	SPP-MKEC-05	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0258	GEN338510 1-1S1KNWRI	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0258	GEN338511 1-1C7KNWRI	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.0172	GEN334456 1-CONOCO UNIT#1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	111.012	GEN511851 1-COMANCHE #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24861	111.0112	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9933	GEN520811 1-ANADRK4	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24881	110.9931	OGE3TERM1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24713	110.982	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9794	GEN335202 1-NELSON UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.977	GEN546702 1-NM GEN N1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9741	GEN503900 1-FITZHUGH CT1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24861	110.9664	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9561	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24802	110.9488	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24712	110.9486	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9468	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9426	GEN337124 5-LS POWER BATESVILLE	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.942	GEN520813 1-ANADRK6	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9312	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	110.9306	SPP-WEPL-03A	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24861	110.93	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9258	GEN506749 1-EASTMAN GENERATION A	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9203	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9187	GEN300016 1-1G1GPDEL 18.000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9187	GEN300017 1-1G2GPDEL 18.000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9182	GEN509409 1-WILKES #3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24784	110.9107	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2475	110.9101	MOORE - PAULINE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	110.9077	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24863	110.9051	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24712	110.9034	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.9033	GEN547656 1-STATE LINE UNIT #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	110.8977	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.881	GEN335137 C4-PPG	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8799	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8786	GEN599891 1-OKLAUN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	110.8628	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24796	110.8555	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24795	110.8458	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8439	GEN334467 1-DUPONT UNIT#1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24751	110.8381	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.831	GEN500915 3-WESTERN KRAFT	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8151	GEN334335 1-TOLEDO BEND	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8121	GEN335546 3-DOW COGEN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.8087	GEN521214 1-BLUCAN2 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.8005	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337102 1-MEPS CLARKSDALE CTG1 (MDEA)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337103 1-MEPS CLARKSDALE CTG2 (MDEA)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337105 1-MEPS CLARKSDALE CTG3 (MDEA)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7934	GEN337106 1-MEPS CLARKSDALE CTG4 (MDEA)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7926	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7885	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7861	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24694	110.7839	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24794	110.7832	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7821	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7821	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.782	GEN511853 1-COMANCHE #3	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24686	110.7807	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.7794	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7781	GEN511852 1-COMANCHE #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24701	110.7766	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24745	110.7713	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7712	GEN335644 1-EXXON UNITS	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7712	GEN560169 1-G08-13 0.5750	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7685	HAMON BUTLER - PUTNAM 69KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7679	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7653	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	110.7599	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7508	GEN337054 1-GREENWOOD
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24676	110.7482	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.7467	KNOBHILL - SALINE 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2459	110.7434	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24666	110.7408	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.7401	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24677	110.7342	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2473	110.7325	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24692	110.7279	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	110.7271	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.725	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	110.7241	CANTON - TALOGA 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.7238	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.7224	HELENA TAP - SALINE 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.7145	SPP-SWPS-T54
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7125	GEN506753 1-LEBROCK GAS 2
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24694	110.7114	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24799	110.7114	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.7001	GEN334458 1-CONOCO UNIT#3
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24682	110.6967	BROOKLINE - MORGAN 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6951	GEN300001 1-THOMAS HILL UNIT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6943	GEN560603 1-G07-06 0.6000
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6919	GEN334282 1-SAM RAYBURN 4
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24725	110.6918	CANTON - OKEENE 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24733	110.6912	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6883	GEN560118 1-G08-46 0.6900
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6866	GEN549899 5-JAMES RIVER 5
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6809	GEN335640 1-ENCO
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24677	110.675	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24721	110.6696	MARSHALL - WOODRING 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.6688	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.6667	GOLTRY - HELENA TAP 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24666	110.6662	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	110.6652	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24721	110.6615	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6578	GEN542954 3-MONTROSE UNIT #3
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2464	110.6566	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24694	110.6565	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6564	GEN506750 1-EASTMAN GENERATION B
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24731	110.656	CORDELL - GOTEBO 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.247	110.6558	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24696	110.6547	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.6533	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6529	GEN338512 1-152KNWRI
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6517	GEN502438 1-DOC BONIN UNIT #2
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6514	GEN502436 1-HARGIS2
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24749	110.651	GOLTRY - IMO 69KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6491	GEN338507 1-1C1KNWRI
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6491	GEN338508 1-1C3KNWRI
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6491	GEN338509 1-1C5KNWRI
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24671	110.6482	MCELROY - STILLWATER 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6481	GEN318009 1-2MOSEL 69 69.000
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24733	110.6479	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6437	GEN560633 1-ASGI-10-05 0.6900
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24679	110.6362	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6346	GEN505482 1-BEAVER
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.6339	GEN542952 1-MONTROSE UNIT #1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24672	110.6292	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.5045	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.4315	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3811	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3811	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25374	110.3424	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3315	BASE CASE

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.3315	NC1_GEN-NEBRASKA CITY 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24847	110.2083	DBL-THIS-CLR	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.1938	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	110.1359	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24667	110.0848	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24686	110.0206	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0156	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0103	GEN524895 1-SAN JUAN MESA WIND GEN	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0067	GEN562014 1-G11_023_3 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	110.0018	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2471	109.9932	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24862	109.9799	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.979	SPP-WERE-07	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.9788	GEN560585 1-G06-44-2 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.9758	GEN560173 1-G08-17 0.5750	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24656	109.9708	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24597	109.9707	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24648	109.968	OGE3TERM14	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.9666	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.9507	OGE3TERM7	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24655	109.9476	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2465	109.9416	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24668	109.9199	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24639	109.9133	GRDA-OPGD-05	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24668	109.9097	AMRN_OUT55	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8994	GEN560170 1-G08-16 34.500	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.8988	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24697	109.8984	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8831	GEN524286 1-CLR_3 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2468	109.8767	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24582	109.8763	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8692	GEN560595 1-G06-47 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8683	GEN560592 1-G06-45 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2498	109.8665	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8551	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8551	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25034	109.8488	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24698	109.8341	SPP-WERE-07B	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24593	109.8326	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8306	GEN560371 1-G07-46 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8301	GEN560586 1-G06-44-3 0.6000	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2605	109.8276	DBL-FINY-HOL	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2498	109.8027	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.8003	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24668	109.7885	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7729	GEN560105 1-G08-22 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7601	GEN560256 1-G10-14-1 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7601	GEN560279 1-G08-18 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.7484	GEN560257 1-G10-14-2 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24166	109.743	SOONER - SPRING CREEK 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24166	109.7407	NORTHWEST - SPRING CREEK 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2459	109.7345	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26397	109.7284	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2467	109.7261	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24522	109.7107	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26397	109.7102	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6801	GEN562042 1-G11_014_3 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24548	109.6742	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24548	109.6738	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6654	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24643	109.6569	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24862	109.6467	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6143	GEN560359 1-G08-51 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.6127	GEN515790 1-FPLWWD2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24617	109.6074	NORTHWEST (NORTW3) 345/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5792	GEN520922 1-SLEEPING BEAR	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.575	GEN560166 1-G07-48 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5519	GEN560598 1-G06-49 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5513	GEN560570 1-G06-39 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5499	GEN515389 1-TLGAWND1 34.500	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.5453	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25882	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.5034	GEN562017 1-G11_022_3 0.6900	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24501	109.497	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4838	GEN560121 1-G08-47 0.5750	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4785	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4784	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.4665	GEN527162 1-MUSTANG GEN #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24492	109.4659	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.4642	GEN337041 1-GERALD ANDRUS	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24718	109.4183	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.4089	GEN514806 1-SOONER UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24613	109.4005	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.3735	GEN562020 1-G11_021_3 0.6900	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.3518	GEN501813 1-RODEMACHER UNIT 3	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.2629	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.2487	GEN527161 1-MUSTANG GEN #1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.2486	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	0	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36008	109.1905	DBL-THIS-WWR	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24562	109.1683	GRACEMONT - MINCO 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.1015	GEN514805 1-SOONER UNIT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0925	GEN520947 1-HUGO1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0812	GEN515397 1-OUSPRT 1 34.500	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23904	109.0684	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0433	GEN515226 1-MUSKOGEE 6G	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0294	GEN338388 1-1PLUMPT 23.000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0287	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	109.0174	GEN509416 1-TURK GENERATION	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0117	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	109.0024	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.9543	GEN336831 1-BAXTER WILSON SES	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8893	GEN515364 1-CENT 11 0.6000	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8452	GEN560180 1-G07-51 0.6000	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.8143	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8047	GEN526331 1-JONES GEN #1 22 KV	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	108.8035	GEN336821 1-GRAND GULF UNIT	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.8009	GEN526332 1-JONES GEN #2 21 KV	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.7774	GEN335206 1-NELSON UNIT 6	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25806	108.774	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25882	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.644	GEN515225 1-MUSKOGEE 5G	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.6433	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27274	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27274	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2605	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.5798	GEN335204 1-NELSON UNIT 4	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.5472	GEN531447 1-HOLCOMB GENERATOR	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.5274	GEN334440 1-SABINE UNIT 4	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.4996	GEN515042 1-SEMINOLE 3G	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.4123	GEN509406 1-WELSH #3	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.4122	GEN509404 1-WELSH #1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.4122	GEN509405 1-WELSH #2	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.3586	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	108.3421	GEN515393 1-OGEWND2G	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.3212	GEN512688 2-GRDA1 GSU2 22	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	108.2512	GEN336153 1-WATERFORD UNIT#3	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.2359	GEN509394 1-FLINT CREEK	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24384	108.2041	REDBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.1333	GEN560323 1-G10-40 0.6900	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.092	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.0576	GEN334441 1-SABINE UNIT 5	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	108.0427	GEN511839 1-NORTHEASTERN STATION #2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.9441	GEN511840 1-NORTHEASTERN STATION #3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.8825	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.8365	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25374	107.8219	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.8176	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.8169	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.7275	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2553	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2553	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.6699	GEN512689 1-GRDA1 GSU1 22
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2501	107.6516	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.6074	GEN515450 1-CRSRDW21 34.500
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	107.571	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25374	107.4683	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.4413	GEN515041 1-SEMINOLE 2G
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	107.4082	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	107.4077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25135	107.378	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2605	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25034	107.3649	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.3622	GEN560687 1-G11-007 0.5750
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25806	107.3518	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25135	107.3238	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25034	107.2867	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2501	107.2521	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.186	GEN336170 1-GULF OXY U4
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25038	107.18	MINGO - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25262	107.1704	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.251	107.1628	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	107.1492	GEN335831 1-RIVERBEND UNIT#1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.23881	107.0956	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.0935	GEN515040 1-SEMINOLE 1G
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	107.093	GEN560429 1-G08-29 0.6400
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.071	GEN300006 1-NEW MADRID UNIT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	107.0643	GEN300007 1-NEW MADRID UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.969	GEN514910 2-REDBUD GEN
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.969	GEN514911 2-REDBUD GEN
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.9527	GEN560223 1-G07-62-3 0.6900
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.9527	GEN560224 1-G07-62-4 0.6900
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.91	GEN514942 2-REDBUD4G
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.9067	GEN515443 1-MNCOWND1 34.500
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24928	106.8179	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.8101	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24928	106.7877	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.7782	GEN560221 1-G07-62-1 0.6900
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.7782	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7743	GEN334070 1-LEWIS CREEK 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7452	GEN334071 1-LEWIS CREEK 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7406	GEN514905 1-REDBUD3S
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7392	GEN514899 1-REDBUD1S
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7277	GEN542956 2-LACYGNE UNIT #2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7262	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24771	106.7243	SPP-SWPS-03
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.7084	GEN514900 1-REDBUD2S
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24989	106.6512	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	106.6278	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.6259	GEN542962 2-IATAN UNIT #2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.6213	GEN501823 1-TECHE UNIT 3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24924	106.5725	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.5559	GEN334431 1-SABINE UNIT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.5559	GEN334432 1-SABINE UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.5303	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.5228	GEN549893 2-SOUTHWEST 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24924	106.5186	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24924	106.5047	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	106.4868	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.4787	GEN501910 1-ACADIA UNIT ST1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.4531	GEN505432 1-SIKESTON
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.4487	GEN511938 1-OEC STEAM # 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24915	106.4439	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.4057	GEN542957 1-IATAN UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24714	106.4037	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24823	106.4005	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3571	GEN334030 1-FRONTIER UNIT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3571	GEN334031 1-FRONTIER UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24744	106.343	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24949	106.3357	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3277	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3245	GEN318007 1-5MORROW161 161.00
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3131	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3131	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3026	GEN542951 5-HAWTHORN UNIT #5
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.3013	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	106.2965	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2779	GEN560636 1-ASGI-10-06 0.6900
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2382	GEN337125 6-LS POWER BATESVILLE
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2367	GEN337428 1-PERVILLE UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2367	GEN337430 1-PERVILLE UNIT #3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24635	106.2264	LACYGNE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2231	GEN337006 1-DUKE MCADAMS G1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2231	GEN337007 1-DUKE MCADAMS G2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2161	GEN515266 1-AES 1G
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2161	GEN515267 1-AES 2G
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2061	GEN337429 1-PERVILLE UNIT #2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.2059	GEN337432 1-PERVILLE UNIT #5
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1995	GEN337008 1-DUKE MCADAMS S1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1787	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1664	GEN335203 1-NELSON UNIT 3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1655	GEN560623 1-ASGI-10-01 0.6000
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1564	GEN547649 1-ASBURY UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1474	GEN645011 1-NEBRASKA CITY 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1453	GEN336944 1-REX BROWN
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1307	GEN501911 1-ACADIA UNIT CT1A
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1307	GEN501912 1-ACADIA UNIT CT1B
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1301	GEN336167 1-GULF OXY U1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1301	GEN336168 1-GULF OXY U2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1301	GEN336169 1-GULF OXY U3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1299	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1296	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.1278	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25066	106.1151	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0956	GEN300003 1-THOMAS HILL UNIT 3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0923	GEN334392 1-EXXON MOBIL IPP 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0883	GEN335570 1-CARVILLE CTG
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0883	GEN335571 1-CARVILLE UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0721	GEN335075 1-DYNEGY#1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0721	GEN335076 1-DYNEGY UNIT2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24781	106.0671	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24778	106.0646	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0642	GEN335572 1-CARVILLE STG
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	106.0629	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	106.0619	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25139	106.061	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24764	106.0607	SPP-SWPS-02
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24669	106.0515	WRTOD400
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0368	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0368	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0303	GEN338500 1-MCCLELLAN UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24778	106.0294	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24804	106.0246	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0223	GEN514912 2-REDBUD GEN
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0175	GEN506752 1-LEBROCK GAS 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24776	106.0154	SPP-MKEC-08
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	106.0126	GEN560706 1-G11-010 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25139	106.0117	DEWEY - IODINE 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24709	106.0117	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24667	106.0105	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.9897	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24524	105.9808	CIMARRON - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24989	105.9777	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24687	105.9718	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24952	105.9192	BENTON - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.9114	GEN520812 1-ANADRK5
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25375	105.9055	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24804	105.9032	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.903	GEN337954 1-LYNCH UNIT #3
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24696	105.8966	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8941	GEN549890 1-SOUTHWEST 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8716	GEN338513 1-BAILEY UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2471	105.87	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8624	GEN511836 1-NORTHEASTERN STATION #1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8533	GEN335201 1-NELSON UNIT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	105.8448	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	105.8354	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_020		0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	105.8343	GEN515449 1-CRSRDW11 34.500
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	105.8171	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8138	GEN338510 1-151KNWRI
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8138	GEN338511 1-1C7KNWRI
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8067	GEN511851 1-COMANCHE #1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.8051	GEN334456 1-CONOCO UNIT#1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24744	105.7878	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7864	GEN520811 1-ANADRK4
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7839	GEN546702 1-NM GEN N1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7688	GEN335202 1-NELSON UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7675	GEN520813 1-ANADRK6
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7668	GEN503900 1-FITZHUGH CT1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	105.7666	SPP-SWPS-02A
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.7658	SPP-WEPL-03
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.7658	SPP-WERE-34
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.762	SPP-MKEC-05
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2472	105.7603	AXTELL - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24675	105.747	HOYT - STRANGER CREEK 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7457	GEN335612 1-WILLOW GLENN UNIT#2
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7422	GEN560645 1-ASGI-10-09 0.6900
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24823	105.7342	DOVER SW - HENESSEY 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7304	GEN337124 5-LS POWER BATESVILLE
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25066	105.7228	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7182	GEN506749 1-EASTMAN GENERATION A
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7145	GEN511843 1-RIVERSIDE STATION #2
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7104	GEN509409 1-WILKES #3
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7092	GEN335611 1-WILLOW GLENN UNIT#1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24843	105.7082	OGE3TERM1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7074	GEN599891 1-OKLAUN
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7063	GEN300016 1-1G1GPDEL 18.000
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.7063	GEN300017 1-1G2GPDEL 18.000
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24675	105.7047	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.6919	GEN547656 1-STATE LINE UNIT #2
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24823	105.6893	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25478	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.6759	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24764	105.6736	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.6715	SPP-WEPL-03A
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.6689	GEN335137 C4-PPG
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24675	105.6541	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24712	105.649	MOORE - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24746	105.6482	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24804	105.6451	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24823	105.6416	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24687	105.6307	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	105.6294	GEN334467 1-DUPONT UNIT#1
FDNS		1	0	12G	G11_020	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25375	105.6232	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.6161	GEN500915 3-WESTERN KRAFT
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24681	105.6123	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.6	GEN334335 1-TOLEDO BEND
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24713	105.5997	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5991	GEN335546 3-DOW COGEN
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24757	105.5988	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5958	GEN521214 1-BLUCAN2 0.6900
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24826	105.5909	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24758	105.5853	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5788	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5788	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5788	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5788	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5748	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5736	GEN511853 1-COMANCHE #3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5732	GEN300002 1-THOMAS HILL UNIT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5698	GEN511852 1-COMANCHE #2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5685	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5685	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.5562	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.556	GEN335644 1-EXXON UNITS
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5546	GEN560169 1-G08-13 0.5750
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24551	105.5469	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.5369	GEN337054 1-GREENWOOD
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.5354	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24656	105.5326	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24648	105.5322	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24637	105.5291	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24662	105.5277	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24707	105.5196	CIMARRON - EL RENO 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24628	105.5086	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24639	105.5048	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24681	105.5047	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24757	105.5033	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4997	GEN506753 1-LEBROCK GAS 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4932	GEN560603 1-G07-06 0.6000
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24711	105.4891	KNOBHILL - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4835	GEN334458 1-CONOCO UNIT#3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24692	105.4833	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.4819	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4815	GEN300001 1-THOMAS HILL UNIT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.4808	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24654	105.4793	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	105.4781	GEN337652 1-WHITE BLUFF UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24693	105.4771	PUTNAM - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4752	GEN334282 1-SAM RAYBURN 4
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24681	105.4725	Canadian Pump Station - HINTON 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.4714	SPP-SWPS-T54
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24686	105.4712	CANTON - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.471	GEN560118 1-G08-46 0.6900
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.47	GEN549899 5-JAMES RIVER 5
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24644	105.4664	BROOKLINE - MORGAN 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24711	105.4653	HELENA TAP - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4643	GEN335640 1-ENCO
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24656	105.4602	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24693	105.4599	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24693	105.4593	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24693	105.4579	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24761	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4458	GEN542954 3-MONTROSE UNIT #3
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24695	105.4433	OKEENE - WATONGA SW 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4423	GEN506750 1-EASTMAN GENERATION B
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24686	105.4417	CANTON - OKEENE 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24682	105.4367	MARSHALL - WOODRING 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24628	105.4365	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4356	GEN338512 1-152KNWRI
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4346	GEN502438 1-DOC BONIN UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4342	GEN502436 1-HARGIS2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24693	105.4332	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24639	105.4332	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.432	GEN338507 1-1C1KNWRI
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.432	GEN338508 1-1C3KNWRI
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.432	GEN338509 1-1C5KNWRI
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4312	GEN318009 1-2MOSEL 69 69.000
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24682	105.4286	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24603	105.4284	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.426	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4235	GEN560633 1-ASGI-10-05 0.6900
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4231	GEN542952 1-MONTROSE UNIT #1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2466	105.4227	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24633	105.4199	MCELROY - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.417	GEN505482 1-BEAVER
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24662	105.4108	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24711	105.4098	GOLTRY - HELENA TAP 69KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24656	105.4077	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4069	GEN505616 1-BROKEN BOW
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4062	GEN503305 1-CITY OF HOUMA SUB
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24696	105.4047	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.4013	GEN502435 1-HARGIS1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24633	105.3983	LAKEOVER - MCADAMS 500KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24641	105.3978	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24634	105.3943	A143
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	105.3392	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	105.2653	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24206	105.2447	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24206	105.2433	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.1044	BASE CASE
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	105.1044	NCL GEN-NEBRASKA CITY 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25273	105.0234	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.9855	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.28972	104.9734	DBL-BVR-WWRD
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.9459	GEN501801 1-DOLET HILLS UNIT1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2481	104.8628	DBL-SPRVL-CL
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	104.8625	GEN562023 1-G11_020_3 0.6900
FDNS	01G11_020		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	104.8625	GEN562026 1-G11_019_3 0.6900
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24628	104.8539	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24818	104.8054	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.8008	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.8	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.7932	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.7921	GEN562014 1-G11_023_3 0.6900
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2467	104.7918	DELAWARE - NEOSHO 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24648	104.7832	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.7664	GEN560173 1-G08-17 0.5750
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.7659	GEN560585 1-G06-44-2 0.6000
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24559	104.7558	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24618	104.7441	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.7437	SPP-WERE-07
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2461	104.7396	OGE3TERM14
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.7314	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2481	104.7299	DBL-THIS-CLR
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24617	104.7192	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24612	104.7176	LACYGNE - STILWELL 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.715	OGE3TERM7
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6946	GEN560170 1-G08-16 34.500
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2463	104.6887	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24211	104.6881	SPP-SWPS-03
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.6856	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.246	104.6781	GRDA-OPGD-05
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2463	104.6779	AMRN_OUT55
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6774	GEN524286 1-CLR_3 0.6900
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24124	104.6756	SOONER - SPRING CREEK 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24124	104.6734	NORTHWEST - SPRING CREEK 345KV CKT 1
FDNS	1		0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24544	104.665	FT SMITH - MUSKOGEE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY					
							(MVA)	TDF	(% MVA)							
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6641	GEN560595 1-G06-47	0.6000	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6632	GEN560592 1-G06-45	0.6000	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.657	MIDLNT4 138.00 - PECKHAM TAP 138KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24658	104.6566	NEWKIRK4 - PECKHAM TAP 138KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24641	104.6482	CLARKSVILLE - MUSKOGEE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6448	GEN560286 1-G10-01-1WTG	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6448	GEN560287 1-G10-01-2WTG	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24989	104.6419	SUMNERCO 345.00 - WICHITA 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.6274	SPP-WERE-07C		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6236	GEN560371 1-G07-46	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.6211	GEN560586 1-G06-44-3	0.6000	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.25273	104.6185	FPL SWITCH - WOODWARD 138KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24555	104.6117	CLEVELAND - SOONER 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24659	104.5974	SPP-WERE-07B		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5929	GEN527163 1-MUSTANG GEN #3	22 KV	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24941	104.587	WOODWARD DISTRICT EHV (WWDEHV-T2)	345/138/13.8KV TRANSFORMER	CKT 2
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.574	GEN560105 1-G08-22	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5571	GEN560279 1-G08-18	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.2463	104.5566	DELL 500 - INDEPENDENCE 500KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5518	GEN560256 1-G10-14-1	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.5405	GEN560257 1-G10-14-2	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24483	104.5103	PITTSBURG - VALLIANT 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24553	104.505	GRACEMONT - LAWTON EASTSIDE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24631	104.4944	KEO EHV - WEST MEMPHIS 500 500KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4722	GEN562042 1-G11_014_3	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24942	104.4633	WOODWARD DISTRICT EHV (WWDEHV)	345/138/13.8KV TRANSFORMER	CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24511	104.4584	ARCADIA - HORSESHOE LAKE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.458	GEN523103 1-NOBLE WND	3115.00	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24511	104.4539	HORSESHOE LAKE - SEMINOLE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24818	104.4489	G08-127T 345.00 - ROSE HILL 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24604	104.4333	CHAMBER SPRINGS - CLARKSVILLE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4253	GEN515790 1-FPLWND2		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.4161	GEN560359 1-G08-51	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3931	GEN520922 1-SLEEPING BEAR		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24579	104.3817	NORTHWEST (NORTWST3)	345/138/13.8KV TRANSFORMER	CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.381	GEN560166 1-G07-48	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3604	GEN515389 1-TLGAWND1	34.500	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3577	GEN560570 1-G06-39	0.6900	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.3559	GEN336251 1-NINEMILE POINT UNIT#4		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3548	GEN560598 1-G06-49	0.6000	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.3025	GEN562017 1-G11_022_3	0.6900	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24453	104.2921	PITTSBURG - SEMINOLE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2813	GEN560121 1-G08-47	0.5750	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.2781	GEN337041 1-GERALD ANDRUS		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2773	GEN523461 1-BLACKHAWK GEN #1		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.2772	GEN523462 1-BLACKHAWK GEN #2		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24465	104.269	CIMARRON - DRAPER LAKE 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.268	GEN527162 1-MUSTANG GEN #2		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24678	104.2133	DELAWARE - NORTHEAST STATION 345KV	CKT 1	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24206	104.1911	GRAPEVINE INTERCHANGE - STATILINE INTERCHANGE	230KV	CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24575	104.178	NORTHWEST (NORTWST2)	345/138/13.8KV TRANSFORMER	CKT 1
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.1744	GEN562020 1-G11_021_3	0.6900	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.1487	GEN501813 1-RODEMACHER UNIT 3		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	104.0559	GEN527161 1-MUSTANG GEN #1		
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	104.0417	GEN509403 1-PIRKEY GENERATION		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24524	103.9537	GRACEMONT - MINCO 345KV	CKT 1	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.23869	103.9294	ARCADIA - NORTHWEST 345KV	CKT 1	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	103.9252	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	103.8934	GEN515397 1-OUSPRT 1	34.500	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	103.8808	GEN520947 1-HUGO1		
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	103.8424	GEN527882 1-CUNNINGHAM GEN #2	20 KV	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	103.8421	GEN527902 1-HOBBS PLANT #2 (CT)		
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	103.8338	GEN338388 1-1PLUMPT	23.000	
FDNS		1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24623	103.8331	GEN527901 1-HOBBS PLANT #1 (CT)		
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	103.8074	GEN509416 1-TURK GENERATION		
FDNS		01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24661	103.7628	GEN560648 1-G07-21	0.5750	
FDNS		02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24106	103.7504	GEN336831 1-BAXTER WILSON SES		

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.7333	SPP-SWPS-02
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.7327	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.7288	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.7212	GEN514806 1-SOONER UNIT 2
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.7128	GEN515364 1-CENT 11 0.6000
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.6861	GEN560180 1-G07-51 0.6000
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	103.6783	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.6247	GEN526331 1-JONES GEN #1 22 KV
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.6213	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.5919	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.554	GEN335206 1-NELSON UNIT 6
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24206	103.4681	SPP-SWPS-02A
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.4387	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.3888	GEN515226 1-MUSKOGEE 6G
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.356	GEN531447 1-HOLCOMB GENERATOR
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.3527	GEN335204 1-NELSON UNIT 4
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	103.3179	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.2987	GEN334440 1-SABINE UNIT 4
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2457	103.2919	MINGO - RED WILLOW 345KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.2138	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.1876	GEN509406 1-WELSH #3
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.1875	GEN509404 1-WELSH #1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.1875	GEN509405 1-WELSH #2
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	103.181	GEN515393 1-OGEWIND2G
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2451	103.1038	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2445	103.0961	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.0898	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24172	103.084	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24344	103.0556	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	2	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25298	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24486	103.0347	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.0288	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	103.0283	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.9966	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24842	102.9556	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.8757	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.8617	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.8203	GEN334441 1-SABINE UNIT 5
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.785	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.6882	GEN511840 1-NORTHEASTERN STATION #3
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.675	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.6567	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.6561	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24486	102.6528	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.6264	GEN511841 1-NORTHEASTERN STATION #4
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.5906	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24727	102.5685	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2445	102.449	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24217	102.4411	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.4378	GEN515450 1-CRSRDW21 34.500
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.4376	GEN560223 1-G07-62-3 0.6900
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.4376	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	102.4253	GEN512689 1-GRDA1 GSU1 22
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.3377	GEN560221 1-G07-62-1 0.6900
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	102.3377	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24613	102.0633	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24613	102.0153	DEWEY - IODINE 138KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23845	102.0014	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24424	101.9769	HOLCOMB - SETAB 345KV CKT 1
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	101.9764	GEN560429 1-G08-29 0.6400
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24507	101.9591	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.9396	GEN336170 1-GULF OXY U4
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.9328	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24605	101.9291	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24217	101.9118	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24507	101.8801	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24605	101.8738	IMO TAP - MEN TAP 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.8334	GEN300006 1-NEW MADRID UNIT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.8262	GEN300007 1-NEW MADRID UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.244	101.6996	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.6782	GEN515040 1-SEMINOLE 1G	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.5213	GEN334070 1-LEWIS CREEK 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.5028	GEN542956 2-LACYGNE UNIT #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.5017	GEN542955 1-LACYGNE UNIT #1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	101.501	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4963	GEN514911 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4962	GEN514910 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4917	GEN334071 1-LEWIS CREEK 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24404	101.4796	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24404	101.4489	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4436	GEN514942 2-REDBUD4G	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4408	GEN542962 2-IATAN UNIT #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24146	101.4356	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.4002	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.3663	GEN501823 1-TECHE UNIT 3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.3013	GEN334431 1-SABINE UNIT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.3013	GEN334432 1-SABINE UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2934	GEN514905 1-REDBUD3S	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2923	GEN514899 1-REDBUD1S	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2838	GEN549893 2-SOUTHWEST 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.265	GEN514900 1-REDBUD2S	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24252	101.2589	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2241	GEN501910 1-ACADIA UNIT ST1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24252	101.2222	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2051	GEN505432 1-SIKESTON	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.2043	GEN542957 1-IATAN UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24115	101.2012	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1857	GEN511938 1-OEC STEAM # 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1757	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2445	101.1724	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24424	101.1276	BENTON - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1045	GEN334030 1-FRONTIER UNIT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.1045	GEN334031 1-FRONTIER UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24391	101.095	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0885	GEN542951 5-HAWTHORN UNIT #5	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0704	GEN318007 1-5MOROW161 161.00	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24146	101.0636	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0621	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0621	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0501	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23977	101.0425	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	101.0121	GEN560636 1-ASGI-10-06 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9863	GEN337428 1-PERVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9863	GEN337430 1-PERVILLE UNIT #3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9835	GEN337125 6-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9774	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9773	GEN645011 1-NEBRASKA CITY 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9719	GEN560623 1-ASGI-10-01 0.6000	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9684	GEN337006 1-DUKE MCADAMS G1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9684	GEN337007 1-DUKE MCADAMS G2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9553	GEN337429 1-PERVILLE UNIT #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9551	GEN337432 1-PERVILLE UNIT #5	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24174	100.9547	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.9511	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.95	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9447	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9446	GEN337008 1-DUKE MCADAMS S1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9442	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9296	GEN547649 1-ASBURY UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.9136	GEN335203 1-NELSON UNIT 3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2419	100.9106	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24255	100.9041	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8899	GEN336944 1-REX BROWN	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8791	GEN336167 1-GULF OXY U1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8791	GEN336168 1-GULF OXY U2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8791	GEN336169 1-GULF OXY U3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8779	GEN501911 1-ACADIA UNIT CT1A	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8779	GEN501912 1-ACADIA UNIT CT1B	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24304	100.8742	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24151	100.859	WRTOD400	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24165	100.8568	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25967	100.8549	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8531	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24284	100.8509	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.847	GEN515266 1-AES 1G	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.847	GEN515267 1-AES 2G	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24257	100.8455	SPP-MKEC-08	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8384	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8369	GEN335571 1-CARVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8368	GEN335570 1-CARVILLE CTG	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8195	GEN335075 1-DYNEGY#1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8195	GEN335076 1-DYNEGY UNIT2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24149	100.8125	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8124	GEN335572 1-CARVILLE STG	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25967	100.8116	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.8077	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2442	100.798	WOODWARD DISTRICT EHV (WVDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2442	100.7923	WOODWARD DISTRICT EHV (WVDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	100.7899	GEN562023 1-G11_020_3 0.6900	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	100.7899	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24281	100.7875	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7761	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7754	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7754	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24194	100.7637	MULLERGREEN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.7633	GEN506752 1-LEBROCK GAS 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24284	100.7436	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1	
FDNS	1	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24623	100.7002	GEN515449 1-CRSRDW11 34.500	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6679	GEN520812 1-ANADRK5	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.242	100.6645	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.6643	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.656	GEN514912 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6482	GEN337954 1-LYNCH UNIT #3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6436	GEN549890 1-SOUTHWEST 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.6419	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6338	GEN511851 1-COMANCHE #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6177	GEN338513 1-BAILEY UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24304	100.6159	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.6106	SPP-WEPL-03	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.6106	SPP-WERE-34	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.6058	SPP-MKEC-05	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23977	100.6023	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.6006	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5977	GEN335201 1-NELSON UNIT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5873	GEN560323 1-G10-40 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.5865	SPP-WEPL-03A	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.242	100.5845	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.5788	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24238	100.5754	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.5701	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.242	100.5664	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	100.5591	GEN560175 1-G07-44 0.5750	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5572	GEN338510 1-1S1KNWRI	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5572	GEN338511 1-1C7KNWRI	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.5551	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24193	100.5542	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5489	GEN334456 1-CONOCO UNIT#1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5457	GEN520811 1-ANADRK4	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24156	100.5438	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5421	GEN546702 1-NM GEN N1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.5395	Canadian Pump Station - HINTON 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5125	GEN335202 1-NELSON UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5092	GEN520813 1-ANADRG6	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5066	GEN503900 1-FITZHUGH CT1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.5013	GEN560645 1-ASGI-10-09 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.4998	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	100.4954	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24227	100.4932	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01G11_020	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24661	100.4928	GEN562010 1-G11_024_3 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4915	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4904	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4903	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4872	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24284	100.4869	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4836	SPP-SWPS-T54	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4751	GEN337124 5-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4611	GEN506749 1-EASTMAN GENERATION A	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24281	100.4542	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4533	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4533	GEN509409 1-WILKES #3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24031	100.4529	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.4517	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4513	GEN300016 1-1G1GPDEL 18.000	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4513	GEN300017 1-1G2GPDEL 18.000	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4489	GEN547656 1-STATE LINE UNIT #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4453	GEN511843 1-RIVERSIDE STATION #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.4429	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24586	100.4297	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4268	SHAMROCK - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4255	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.425	GEN509408 1-WILKES #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24016	100.4215	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.4179	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24193	100.4155	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4121	GEN335137 C4-PPG	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.4065	GEN560687 1-G11-007 0.5750	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24412	100.3998	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24412	100.386	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.243	100.3834	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.3832	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2424	100.3718	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3714	GEN334467 1-DUPONT UNIT#1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24157	100.3676	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3649	GEN511852 1-COMANCHE #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3576	GEN500915 3-WESTERN KRAFT	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3567	CONWAY SUB - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3528	NICHOLS STATION - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24136	100.3518	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2432	100.3513	OGE3TERM1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24118	100.3505	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.3436	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3419	GEN335546 3-DOW COGEN	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3416	GEN334335 1-TOLEDO BEND	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3414	GEN521214 1-BLUCAN2 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3404	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.243	100.3391	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.334	HOLLIS TAP - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24179	100.3298	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3291	GEN511853 1-COMANCHE #3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24238	100.3235	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.3214	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3175	SPP-SWPS-T53	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.311	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.311	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24138	100.3101	CHILDRESS - HOLLIS TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.243	100.3083	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24132	100.3071	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24179	100.3035	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24119	100.3023	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2978	GEN335644 1-EXXON UNITS	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.2965	LAKE PAULINE - RUSSELL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2946	GEN515443 1-MNCOWND1 34.500	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2931	GEN560169 1-G08-13 0.5750	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24135	100.2888	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24239	100.2872	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2795	GEN337054 1-GREENWOOD	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.2636	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24111	100.2631	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24123	100.2577	MORISNT4 138.00 - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24126	100.2508	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.2486	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.247	GEN599891 1-OKLAUN	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2404	GEN506753 1-LEBROCK GAS 2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24122	100.2372	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.2371	OGE3TERM10	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24144	100.2346	GRAND ISLAND - MCCOOL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2297	GEN300001 1-THOMAS HILL UNIT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.2253	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2241	GEN334458 1-CONOCO UNIT#3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2425	100.2212	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24164	100.2195	MARSHALL - WOODRING 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2156	GEN334282 1-SAM RAYBURN 4	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.215	GEN560118 1-G08-46 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24164	100.2117	COTTONWOOD CREEK - MARSHALL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.2115	PUTNAM - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2107	GEN549899 5-JAMES RIVER 5	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24192	100.2107	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.2081	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.2051	GEN335640 1-ENCO	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1995	GEN542954 3-MONTROSE UNIT #3	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24163	100.1976	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24123	100.1974	NUNDRWD - WAYSIDE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24111	100.1941	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.1933	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24086	100.1932	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.193	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.1878	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1868	OKLAUNION 345KV SWITCHED SHUNT	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24192	100.1866	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24168	100.1831	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1825	GEN506750 1-EASTMAN GENERATION B	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24178	100.1817	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.177	GEN502438 1-DOC BONIN UNIT #2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24177	100.1768	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1767	GEN502436 1-HARGIS2	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1755	GEN338512 1-1S2KNWRI	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24117	100.1753	MCELROY - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1751	GEN560633 1-ASGI-10-05 0.6900	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1722	GEN318009 1-2MOSEL 69 69.000	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1719	GEN338507 1-1C1KNWRI	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1719	GEN338508 1-1C3KNWRI	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1719	GEN338509 1-1C5KNWRI	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24132	100.1708	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1703	GEN542952 1-MONTROSE UNIT #1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24188	100.1679	CIMARRON - EL RENO 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24176	100.1614	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24116	100.1598	LAKEOVER - MCADAMS 500KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24117	100.1589	A143	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24152	100.1576	JENSEN ROAD - JENSEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.156	GEN505482 1-BEAVER	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24117	100.1512	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1471	GEN505616 1-BROKEN BOW	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24106	100.1463	GEN503305 1-CITY OF HOUMA SUB	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24124	100.1432	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24121	100.1382	EL PASO - FARBER 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.43679	137.7338	DBL-THIS-WWR	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.34036	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.34036	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3257	104.2693	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3257	104.2301	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32013	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32013	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31967	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31686	109.2528	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31686	108.7863	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31385	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31385	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31385	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31297	100.7848	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3117	107.5733	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3117	107.1372	DEWEY - SOUTHWARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3117	106.7023	ROMAN NOSE - SOUTHWARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31054	106.3317	BENTON - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30949	104.2661	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3094	105.7136	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3094	105.6437	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30934	105.9181	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30934	105.8546	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30914	107.6311	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30843	107.4672	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30827	105.8184	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30827	105.7178	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30817	107.3012	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30817	106.7701	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30743	106.1385	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30724	104.5704	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30723	104.5627	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30719	103.896	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30719	103.8754	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30716	105.566	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30712	104.7673	BENTON - ROSE HILL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30706	105.2878	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30706	105.2447	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30694	104.8053	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3064	102.6871	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30623	103.8966	OGE3TERM1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30602	104.6575	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30601	103.9665	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30601	103.9073	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30601	103.8669	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30594	104.308	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30594	102.0763	DBL-THIS-CLR	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30566	104.4864	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30566	104.3666	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30566	104.0843	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30556	105.8393	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30549	106.8314	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30549	105.9355	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30549	104.131	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30544	104.6505	SPP-MKEC-08	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30533	103.7752	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30527	105.0658	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30527	105.0201	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30526	104.0313	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30519	104.3192	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30519	103.9855	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30515	103.8816	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.3118	SPP-WEPL-03	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.3118	SPP-WERE-34	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.3085	SPP-MKEC-05	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.2917	SPP-WEPL-03A	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30508	104.1643	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30491	107.4642	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30491	106.6161	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30481	104.398	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30477	104.3001	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30477	104.2738	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30477	104.1049	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30472	104.5556	MULLERGREY - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30472	104.2642	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30472	102.6272	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	104.7225	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	104.0457	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	103.8168	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	103.7875	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30468	103.7203	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30456	103.7533	CIMARRON - EL RENO 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3045	103.7685	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	104.7991	CIRCLE - MULLERGREY 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.8103	PUTNAM - TALOGA 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7888	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7883	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7871	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30448	103.7568	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30447	103.9837	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30447	103.9505	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30447	103.7769	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30442	109.6189	SPP-SWPS-03	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30441	104.8162	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30441	104.3811	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3044	103.8346	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3044	103.8013	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30438	103.0012	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	110.3459	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.3395	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.3221	SPP-SWPS-02	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.3164	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30437	108.0119	SPP-SWPS-02A	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30435	103.8365	OGE3TERM10	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.9142	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.8949	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.8651	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.8304	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30433	103.7673	BINGER NIJECT - SICKLES 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30426	104.1986	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30426	104.6476	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30424	103.9286	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30422	103.7381	MARSHALL - WOODRING 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30422	103.7315	COTTONWOOD CREEK - MARSHALL 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30421	104.0123	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30421	103.9576	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3042	104.564	WRTOD400	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30418	107.5531	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30417	104.5137	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30416	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30416	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.3844	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.2662	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.224	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30415	104.0166	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30414	103.9039	GRAND ISLAND - MCCOOL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30414	103.7569	MCCOOL - MOORE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30408	103.7534	JENSEN ROAD - JENSEN TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30404	104.0282	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30404	102.7526	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.3476	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.3207	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.3009	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.2966	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.2879	SPP-SWPS-T54
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.1574	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.1424	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.1332	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.0407	HOLLIS TAP - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	104.0119	CHILDRESS - HOLLIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.304	103.82	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.9503	LAKE PAULINE - RUSSELL 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.1494	SPP-WERE-07
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	103.1162	OGE3TERM7
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30398	102.9827	SPP-WERE-07B
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.1336	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.0421	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30397	103.042	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30395	103.9447	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30391	103.8803	BROOKLINE - MORGAN 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30391	103.1423	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.8466	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.7434	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.7233	CHISHOLM - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30389	103.7122	MCADAMS - WOLF CREEK 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30388	103.9061	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30387	102.9629	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30384	103.7401	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30383	103.7749	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7823	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7757	A143
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7715	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7563	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30382	103.7509	STEGALL - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	104.0604	CONWAY SUB - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	104.0556	NICHOLS STATION - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	103.995	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	103.9825	SPP-SWPS-T53
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30381	103.9436	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30378	102.7584	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30376	102.9679	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30376	102.9647	AMRN_OUT55
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30376	102.8196	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30375	103.9192	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30375	103.8247	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30374	103.7319	KCPL-OPDG06A
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	110.4511	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	109.9425	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	109.5694	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	109.0677	GEN335831 1-RIVERBEND UNIT#1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	108.5684	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.8155	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.6395	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.5807	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.514	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	107.4369	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9723	GEN520947 1-HUGO1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9662	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9658	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.9292	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.8507	GEN501813 1-RODEMACHER UNIT 3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.809	GEN337041 1-GERALD ANDRUS
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.8081	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.7027	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.5528	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.4405	GEN336831 1-BAXTER WILSON SES

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.4152	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.3717	GEN335206 1-NELSON UNIT 6
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.3683	GEN338388 1-1PLUMPT 23.000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2741	GEN509406 1-WELSH #3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.274	GEN509405 1-WELSH #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2739	GEN509404 1-WELSH #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.265	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2365	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.236	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.2125	GEN335204 1-NELSON UNIT 4
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.1983	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.1849	GEN334440 1-SABINE UNIT 4
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	106.066	GEN509394 1-FLINT CREEK
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.9573	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.8589	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.8064	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.8057	GEN334441 1-SABINE UNIT 5
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.7618	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.6393	GEN512689 1-GRDA1 GSU1 22
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.5164	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.4381	GEN560282 1-G08-19 0.6000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.388	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.3763	GEN562010 1-G11_024_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.3302	GEN560175 1-G07-44 0.5750
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	105.0646	GEN336170 1-GULF OXY U4
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.989	GEN515040 1-SEMINOLE 1G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.9197	GEN515449 1-CRSRDW11 34.500
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.9178	GEN514910 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.9178	GEN514911 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.8708	GEN514942 2-REDBUD4G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.8672	GEN300006 1-NEW MADRID UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.8588	GEN300007 1-NEW MADRID UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7891	GEN334070 1-LEWIS CREEK 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.765	GEN334071 1-LEWIS CREEK 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7402	GEN560648 1-G07-21 0.5750
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7359	GEN514905 1-REDBUD3S
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7347	GEN514899 1-REDBUD1S
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.7102	GEN514900 1-REDBUD2S
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.6344	GEN501823 1-TECHE UNIT 3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.6022	GEN511938 1-OEC STEAM # 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5954	GEN334432 1-SABINE UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5953	GEN334431 1-SABINE UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5203	GEN501910 1-ACADIA UNIT ST1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.5089	GEN549893 2-SOUTHWEST 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4736	GEN334030 1-FRONTIER UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4736	GEN334031 1-FRONTIER UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4585	GEN560636 1-ASGI-10-06 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4541	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4541	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4441	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.4055	GEN505432 1-SIKESTON
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3661	GEN318007 1-5MOROW161 161.00
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3288	GEN337428 1-PERYVILLE UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3288	GEN337430 1-PERYVILLE UNIT #3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3046	GEN337429 1-PERYVILLE UNIT #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.3032	GEN337432 1-PERYVILLE UNIT #5
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2909	GEN337125 6-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2824	GEN337006 1-DUKE MCADAMS G1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2824	GEN337007 1-DUKE MCADAMS G2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2819	GEN335203 1-NELSON UNIT 3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2752	GEN515266 1-AES 1G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2752	GEN515267 1-AES 2G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2645	GEN337008 1-DUKE MCADAMS S1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2548	GEN547649 1-ASBURY UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.247	GEN501911 1-ACADIA UNIT CT1A
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.247	GEN501912 1-ACADIA UNIT CT1B
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2382	GEN336167 1-GULF OXY U1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2382	GEN336168 1-GULF OXY U2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2382	GEN336169 1-GULF OXY U3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2352	GEN336944 1-REX BROWN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2324	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2324	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2286	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.219	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2176	GEN542955 1-LACYGNE UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2101	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2074	GEN335075 1-DYNEGY#1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2074	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2057	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.2056	GEN335570 1-CARVILLE CTG
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1866	GEN335572 1-CARVILLE STG
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.178	GEN560687 1-G11-007 0.5750
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1711	GEN338500 1-MCCLELLAN UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1702	GEN560323 1-G10-40 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1638	GEN520812 1-ANADRK5
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.1637	GEN514912 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0973	GEN511851 1-COMANCHE #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0826	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0649	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0319	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0312	GEN335201 1-NELSON UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0228	GEN520813 1-ANADRK6
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0171	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	104.0034	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9954	GEN334456 1-CONOCO UNIT#1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9917	GEN338510 1-1S1KNWRI
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9917	GEN338511 1-1C7KNWRI
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9867	GEN520811 1-ANADRK4
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9857	GEN503900 1-FITZHUGH CT1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9677	GEN511843 1-RIVERSIDE STATION #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9637	GEN335202 1-NELSON UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9567	GEN506749 1-EASTMAN GENERATION A
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9496	GEN509409 1-WILKES #3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9374	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9287	GEN560169 1-G08-13 0.5750
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9085	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9082	GEN337124 5-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.9031	GEN547656 1-STATE LINE UNIT #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8844	GEN335137 C4-PPG
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8824	GEN300016 1-1G1GPDEL 18.000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8824	GEN300017 1-1G2GPDEL 18.000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.879	GEN509408 1-WILKES #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8754	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8715	GEN521214 1-BLUCAN2 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8634	GEN511852 1-COMANCHE #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8537	GEN334467 1-DUPONT UNIT#1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8518	GEN511853 1-COMANCHE #3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8511	GEN500915 3-WESTERN KRAFT
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8349	GEN334335 1-TOLEDO BEND
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.8213	GEN335546 3-DOW COGEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.797	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.797	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7947	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7869	GEN335644 1-EXXON UNITS
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7685	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.765	GEN560118 1-G08-46 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.7647	GEN337054 1-GREENWOOD
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4381	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4378	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4377	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4337	BASE CASE

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.4337	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.2979	GEN599891 1-OKLAUN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.1603	GEN560694 1-G11-008-2 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.1601	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.1061	GEN560238 1-G10-09 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0913	GEN531493 1-CNTRPLPWG1 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.09	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0896	GEN523815 1-LLANO ESTACADO WIND GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0811	GEN523160 1-DWS FRISCO
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0811	GEN539945 1-FLATRWDWG1 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0783	GEN524485 1-CAPROCK WIND GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0746	GEN560432 1-G08-124 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0718	GEN560659 1-G07-38 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0695	GEN560356 1-G10-53 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0693	GEN560693 1-G11-008-1 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0633	GEN562035 1-G11_016_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0542	GEN560549 1-G06-06 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0421	GEN560180 1-G07-51 0.6000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0421	GEN560209 1-G07-40 0.5750
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0272	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	103.0081	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9837	GEN562032 1-G11_017_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9829	GEN560522 1-G05-12 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9747	GEN515364 1-CENT 11 0.6000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9367	GEN522814 1-LUBBOCK POWER & LIGHT-MACKENZIE GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9199	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.9147	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8917	GEN560173 1-G08-17 0.5750
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8835	GEN562014 1-G11_023_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8722	GEN539677 3-A. M. MULLERGEN GENERATOR
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8545	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.8225	GEN515393 1-OGEWND2G
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.6946	GEN560170 1-G08-16 34.500
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.6933	GEN560595 1-G06-47 0.6000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.6921	GEN560592 1-G06-45 0.6000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5838	GEN560279 1-G08-18 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5241	GEN560105 1-G08-22 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5013	GEN560221 1-G07-62-1 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.5013	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.484	GEN560223 1-G07-62-3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.484	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.4699	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.4378	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3919	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3771	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.3418	GEN560359 1-G08-51 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.2814	GEN560187 1-G10-07 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.2562	GEN523926 1-MAJESTIC WIND
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.2106	GEN560166 1-G07-48 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.1479	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.1479	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	102.0098	GEN523195 1-Hansford County Switch Station
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.9579	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.9577	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	101.5994	GEN562049 1-G11_012_3 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.8647	GEN560585 1-G06-44-2 0.6000
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.5014	GEN526331 1-JONES GEN #1 22 KV
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.4946	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.0555	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3037	100.0555	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30368	103.1484	DOLET HILLS 345/230KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30367	104.9416	LACYGNE - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30366	103.7678	CRAIG - STRANGER CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30362	103.0325	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30362	103.0166	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30361	103.1352	ARKANSAS NUCLEAR ONE - MABELVALE 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30356	102.8892	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30355	102.8714	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30354	102.9833	LACYGNE - STILWELL 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30346	103.017	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30345	103.8216	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30344	102.9161	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30344	102.7587	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3034	102.9713	GRDA-OPGD-05
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30334	103.7652	NORTHEAST STATION - TULSA NORTH 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30325	103.9379	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30302	103.0743	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30302	103.0738	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30275	104.0905	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3027	103.0441	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30254	102.8507	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30231	102.4879	CLEVELAND - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30199	102.8806	PITTSBURG - VALLIANT 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30196	103.1135	SOONER - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30175	103.9229	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30157	102.7547	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.301	101.8128	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30057	104.4089	CIMARRON - MINCO 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30057	103.8824	GRACEMONT - MINCO 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30009	101.7541	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29834	102.4504	ARCADIA - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29693	102.7555	MATTHEWSON 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.2522	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.2522	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.24776	114.0742	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.22323	130.2276	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_020	2	12G	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.22833	142.1808	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_020	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.25388	125.8262	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01ALL	2	12G	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.2301	155.4818	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.25575	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01ALL	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21798	107.8074	DBL-THIS-WWR
FDNS	3	2	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28941	100.6852	DBL-WICH-THI
FDNS	2	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.43877	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.37429	118.6835	DBL-WICH-THI
FDNS	2	2	12G	G11_020	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31547	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.24769	103.6827	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	2	2	12G	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.22297	119.0314	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	1	2	12G	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.2276	137.4671	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	1	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.2531	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	1	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.2575	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	12G	G11_020	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.2575	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	3	2	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28941	100.6852	DBL-WICH-THI
FDNS	03ALL	4	12G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26965	111.6575	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.35853	100.7783	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12WP	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.34671	109.9621	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.34521	107.197	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01NR	2	12G	G11_020	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.34378	128.5224	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.33088	109.7871	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.31737	117.4066	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.30477	126.2686	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17WP	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.30407	121.8956	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2	12G	G11_020	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.30171	144.6544	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12714	145.9771	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12714	145.7817	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12651	128.8858	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12651	128.7393	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12544	148.2205	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.12543	148.1131	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12429	131.0616	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.12429	130.9549	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.10231	102.8385	DBL-THIS-WWR
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.10177	101.744	DBL-THIS-WWR
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09991	107.3157	DBL-THIS-WWR
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09936	106.3503	DBL-THIS-WWR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09887	128.885	DBL-THIS-WWR	
FDNS	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09884	127.4632	DBL-THIS-WWR	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09056	122.1195	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.09056	120.5609	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.09013	101.7852	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.09013	100.8847	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08999	120.3931	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08999	118.8314	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0896	100.4505	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08948	131.2975	DBL-WICH-THI	
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08946	114.0576	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08905	124.1512	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08905	122.6284	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08904	112.6897	DBL-WICH-THI	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08903	129.5966	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08846	122.5975	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08846	121.0774	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08845	118.3819	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08843	139.1518	DBL-WICH-THI	
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08826	102.662	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08826	101.7884	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08804	116.9643	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08797	137.5802	DBL-WICH-THI	
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08775	101.2966	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08775	100.4266	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0853	130.4868	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0853	110.4437	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08504	106.4336	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08483	129.0135	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08483	109.0016	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08459	105.2939	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0843	108.3149	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0843	108.3149	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08401	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08401	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08384	133.6272	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08384	114.1256	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08339	107.1332	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08335	132.2942	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08335	112.7924	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.08296	105.9487	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08264	108.0516	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08261	110.788	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08261	110.788	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08231	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08231	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.08223	106.7125	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0804	108.5794	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	107.9249	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	107.9228	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	107.9209	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	106.5698	SPP-SWPS-02A	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	103.9809	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	103.9755	SPP-SWPS-02	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07998	103.9638	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07986	106.9489	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	106.5196	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	106.5181	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	106.4959	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	105.1613	SPP-SWPS-02A	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	102.5775	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	102.5718	SPP-SWPS-02	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0795	102.5567	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07927	101.9042	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07927	101.7029	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07892	102.7495	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07892	102.7495	THISTLE 7 345.00 - WICHITA 345KV CKT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07879	100.4691	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07879	100.2656	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07877	110.5774	LAWTON EASTSIDE	OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07877	101.1428	G05-15T	345.00 - OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07877	100.5371	G05-15T	345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0785	101.3931	THISTLE 7	345.00 - WICHITA 345KV CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0785	101.3931	THISTLE 7	345.00 - WICHITA 345KV CKT 2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	110.3114	ELK CITY 230KV	SWEETWATER 230KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	110.3101	ELK CITY 230KV (ELKCTY-6)	230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	109.7109	GRAPEVINE INTERCHANGE	STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	108.978	SPP-SWPS-02A	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	106.08	STATELINE INTERCHANGE	STLN-DEMARC6 230KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	106.0771	STLN-DEMARC6	SWEETWATER 230KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07842	106.0748	SPP-SWPS-02	
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07821	108.9006	LAWTON EASTSIDE	OKLAUNION 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	109.1826	ELK CITY 230KV	SWEETWATER 230KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	109.1811	ELK CITY 230KV (ELKCTY-6)	230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	108.575	GRAPEVINE INTERCHANGE	STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	107.8473	SPP-SWPS-02A	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	105.6541	GRAPEVINE INTERCHANGE	NICHOLS STATION 230KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	104.9422	STATELINE INTERCHANGE	STLN-DEMARC6 230KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	104.9387	STLN-DEMARC6	SWEETWATER 230KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07793	104.9371	SPP-SWPS-02	
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07767	104.1523	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07767	104.0283	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07748	104.2949	GRAPEVINE INTERCHANGE	NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07736	106.2893	THISTLE 7	345.00 - WICHITA 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07736	106.2893	THISTLE 7	345.00 - WICHITA 345KV CKT 2
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07718	103.0187	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07718	102.8928	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07692	105.0456	THISTLE 7	345.00 - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07692	105.0456	THISTLE 7	345.00 - WICHITA 345KV CKT 2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07657	101.015	G08-13T	345.00 - WOODRING 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07657	100.3347	G08-13T	345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07636	107.8483	GRAPEVINE INTERCHANGE	NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07636	100.3586	MATTHEWSON	345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07621	100	G08-13T	345.00 - WOODRING 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0759	106.6953	GRAPEVINE INTERCHANGE	NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	131.0734	GEN520998	1-MORLND3
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	128.8051	GEN520997	1-MORLND2
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	107.7137	BASE CASE	
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	102.148	GEN514805	1-SOONER UNIT 1
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	101.5533	GEN336821	1-GRAND GULF UNIT
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.9278	GEN336153	1-WATERFORD UNIT#3
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.7199	GEN337911	1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.4647	GEN560180	1-G07-51 0.6000
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100.4533	BENTON	WICHITA 345KV CKT 1
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07553	100	GEN335831	1-RIVERBEND UNIT#1
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07531	103.9448	GEN520998	1-MORLND3
FDNS	00NR	2	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07531	102.3964	GEN520997	1-MORLND2
FDNS	00NR	2	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0752	105.8999	WOODRING (WOODRNG2)	345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	129.7931	GEN520998	1-MORLND3
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	127.5263	GEN520997	1-MORLND2
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	106.2587	BASE CASE	
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	100.9187	GEN514805	1-SOONER UNIT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07512	100.2012	GEN336821	1-GRAND GULF UNIT
FDNS	00NR	3	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07493	102.94	GEN520998	1-MORLND3
FDNS	00NR	3	17WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07493	101.3927	GEN520997	1-MORLND2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07488	101.8397	POTTER COUNTY INTERCHANGE (WAUK 90343-A)	345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07488	101.1191	Hitchland Interchange	POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07467	104.2328	WOODRING (WOODRNG2)	345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07455	102.1823	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07444	100.5531	POTTER COUNTY INTERCHANGE (WAUK 90343-A)	345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07413	101.0908	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	128.9034	GEN520998	1-MORLND3
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	126.935	GEN520997	1-MORLND2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	110.7094	BASE CASE	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	103.2397	GEN514805 1-SOONER UNIT 1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	103.1164	GEN560180 1-G07-51 0.6000
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	102.7889	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	102.27	GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	102.234	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	101.5029	GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	101.2471	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.9897	GEN514806 1-SOONER UNIT 2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.585	GEN501801 1-DOLET HILLS UNIT1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.4105	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.3347	GEN515042 1-SEMINOLE 3G
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.3067	GEN509403 1-PIRKEY GENERATION
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.2713	GEN509416 1-TURK GENERATION
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100.0515	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0739	100	GEN511848 1-SOUTHWESTERN STATION #3
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07353	104.5187	GEN520998 1-MORLND3
FDNS	00NR	2	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07353	102.973	GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	127.7308	GEN520998 1-MORLND3
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	125.7636	GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	109.3872	BASE CASE
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	102.0881	GEN514805 1-SOONER UNIT 1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	101.9766	GEN560180 1-G07-51 0.6000
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	101.4668	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100.9614	GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100.9454	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100.2145	GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07347	100	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07316	103.4779	GEN520998 1-MORLND3
FDNS	00NR	3	12WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.07316	101.9336	GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07303	110.3708	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07288	129.0876	GEN560180 1-G07-51 0.6000
FDNS	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07288	104.7128	GEN515790 1-FPLWND2
FDNS	01NR	2	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07288	100.9973	GEN520922 1-SLEEPING BEAR
FDNS	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07253	127.9273	GEN560180 1-G07-51 0.6000
FDNS	01NR	3	12G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07253	103.5419	GEN515790 1-FPLWND2
FDNS	00NR	3	12SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07247	108.7926	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04905	264.4019	DBL-WICH-THI
FDNS	00NR	2	17WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04905	242.1252	DBL-WICH-THI
FDNS	00NR	3	17WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04897	262.6686	DBL-WICH-THI
FDNS	00NR	3	17WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04897	240.4691	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04831	252.8302	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04831	227.8342	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.04823	251.0567	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.04823	226.1368	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.0458	112.555	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.0458	110.3883	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04438	103.1276	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04438	101.1441	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_020	FROM->TO	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	382	0.04338	100.705	BENTON - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	FROM->TO	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	382	0.04314	100.3303	BENTON - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04307	110.2888	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04307	108.1452	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12WP	G11_020	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	319	0.04262	100.0926	DBL-WICH-THI
FDNS	00NR	3	12SP	G11_020	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04172	101.0189	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.04063	150.4974	DBL-THIS-WWR
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.04015	149.0966	DBL-THIS-WWR
FDNS	01NR	3	12G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03787	103.0399	DBL-THIS-WWR
FDNS	01NR	2	12G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	152	0.03785	102.9522	DBL-THIS-WWR
FDNS	00NR	2	12WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.0364	186.9629	DBL-WICH-THI
FDNS	00NR	2	12WP	G11_020	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.0364	183.5521	DBL-WICH-THI
FDNS	00NR	2	12WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.0364	168.58	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03634	185.7277	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_020	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03634	182.4801	DBL-WICH-THI
FDNS	00NR	3	12WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03634	167.393	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03601	132.3873	FPL SWITCH - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	2	12SP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03601	128.7552	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	00NR	2	12SP	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.03601	100.9507	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	00NR	3	12SP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03579	131.017	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	00NR	3	12SP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03579	127.399	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	00NR	3	12SP	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.03579	100.2531	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	00NR	2	12WP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03577	122.1605	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	00NR	2	12WP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03577	118.92	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	00NR	3	12WP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03558	120.8205	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	00NR	3	12WP	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	72	0.03558	117.594	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03543	140.799	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03543	108.6507	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	00NR	2	12SP	G11_020	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03537	173.9215	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03537	170.64	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03537	150.5249	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_020	FROM->TO	FLATRDG3 - HARPER 138KV CKT 1	110	0.03531	172.917	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03531	169.4811	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03531	149.3907	DBL-WICH-THI	
FDNS	01NR	3	12G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03524	139.4287	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	65	0.03524	107.3879	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	00NR	2	12WP	G11_020	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.03506	101.1268	DBL-WICH-THI	
FDNS	00NR	3	12WP	G11_020	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	319	0.03502	101.4408	DBL-WICH-THI	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03371	137.9932	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03371	137.9932	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03369	135.6714	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03368	135.6781	DBL-HTCH-BVR	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03329	136.7097	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03329	136.7097	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03321	134.2767	DBL-HTCH-BVR	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03319	134.1966	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03318	138.2895	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03318	138.1577	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03284	137.5812	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03278	137.0623	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03278	136.9302	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03274	138.1913	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03274	138.0092	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03263	137.1727	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03249	138.0188	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03249	138.004	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03239	137.2988	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03239	136.9279	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03239	136.9279	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03234	136.9609	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03234	136.7782	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03231	135.9494	DBL-FINY-HOL	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03224	136.12	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03223	135.9399	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03222	139.5125	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03222	136.1397	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03222	136.1314	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03211	136.2974	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03211	136.2635	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03205	136.6598	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03205	136.6446	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03204	136.4353	CANTON - TALOGA 69KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03204	136.2023	CANTON - OKEENE 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03198	135.656	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03198	135.656	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03195	143.535	DEWEY - TALOGA 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.0319	134.6885	DBL-FINY-HOL	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03182	138.2521	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03181	134.8091	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03177	134.8256	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03177	134.8169	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03174	135.8917	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.8831	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.7659	HAMON BUTLER - PUTNAM 69KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.7636	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.7589	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03173	135.5668	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.0317	135.0445	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.0317	135.0102	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03163	135.1886	CANTON - TALOGA 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03163	134.9557	CANTON - OKEENE 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03158	142.3895	DEWEY - TALOGA 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03132	134.5887	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.5948	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.4781	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.4757	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.4709	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03131	134.2873	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03119	136.4176	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03118	136.3119	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03109	130.2515	OGE3TERM10	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	153.1631	BASE CASE	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	136.3532	GEN560323 1-G10-40 0.6900	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.919	GEN515042 1-SEMINOLE 3G	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.6186	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	135.575	GEN514806 1-SOONER UNIT 2	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.7494	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.6666	GEN515364 1-CENT 11 0.6000	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.2293	GEN520922 1-SLEEPING BEAR	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.2074	GEN515393 1-OGEWIND2G	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	130.1218	GEN515790 1-FPLWIND2	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	129.5456	GEN562023 1-G11_020_3 0.6900	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	129.5456	GEN562026 1-G11_019_3 0.6900	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	128.4411	GEN560429 1-G08-29 0.6400	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	126.8885	GEN560180 1-G07-51 0.6000	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03108	119.7465	GEN515389 1-TLGAWND1 34.500	
FDNS	00NR	2	17WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.0309	152.34	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.0309	152.0151	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.0309	137.4978	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.0309	137.1902	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03084	135.3959	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03083	135.2834	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03081	130.9457	CIMARRON - CZECH HALL 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	151.7249	BASE CASE	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.9267	GEN560323 1-G10-40 0.6900	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.5898	GEN515042 1-SEMINOLE 3G	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.4102	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	134.3425	GEN514806 1-SOONER UNIT 2	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	129.5061	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	129.4223	GEN515364 1-CENT 11 0.6000	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.9959	OGE3TERM10	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.9824	GEN520922 1-SLEEPING BEAR	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.9658	GEN515393 1-OGEWIND2G	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.8747	GEN515790 1-FPLWIND2	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.3318	GEN562023 1-G11_020_3 0.6900	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	128.3318	GEN562026 1-G11_019_3 0.6900	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	127.2034	GEN560429 1-G08-29 0.6400	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	125.6426	GEN560180 1-G07-51 0.6000	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03068	118.506	GEN515389 1-TLGAWND1 34.500	
FDNS	00NR	2	17SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03067	151.5887	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03067	151.2853	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03067	134.01	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	17SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03067	133.7269	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01NR	2	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03059	130.2641	EL RENO - JENSEN TAP 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03039	129.6917	CIMARRON - CZECH HALL 138KV CKT 1	
FDNS	01NR	3	12G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.03019	129.0371	EL RENO - JENSEN TAP 138KV CKT 1	
FNSL-Blown up		2	0	12G	G11_021		0	0.62502	-	DBL-BVR-WWRD	
FNSL-Blown up		2	3	12G	G11_021		0	0.63624	-	DBL-BVR-WWRD	
FNSL-Blown up	01ALL		0	12G	G11_021		0	0.26283	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL		0	12G	G11_021		0	0.23591	-	DBL-WICH-THI	
FNSL-Blown up	02ALL		0	12G	G11_021		0	0.62325	-	DBL-HTCH-BVR	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	02ALL	0	12G	G11_021		Non Converged Contingency	0	0.62325	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	G11_021		Non Converged Contingency	0	0.17102	-	DBL-FINY-HOL	
FNSL-Blown up	02G11_021	0	12G	G11_021		Non Converged Contingency	0	0.62488	-	DBL-BVR-WWRD	
FNSL-Blown up	3	0	12G	G11_021		Non Converged Contingency	0	0.23689	-	DBL-WICH-THI	
FNSL-Blown up	01ALL	0	12G	G11_021		Non Converged Contingency	1195	0.21509	-	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	12G	G11_021		Non Converged Contingency	1052	0.17102	-	FINNEY SWITCHING STATION - STEVENSCO	345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	12G	G11_021		Non Converged Contingency	1324	0.05039	-	LAWTON EASTSIDE - OKLAUNION	345KV CKT 1
FNSL-Blown up	01ALL	0	12G	G11_021		Non Converged Contingency	1195	0.21509	-	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	0	0.62636	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	0	0.2353	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1195	0.20899	-	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	717	0.03651	-	GRAND ISLAND - SWEETWATER	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	717	0.06113	-	MINGO - RED WILLOW	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1195	0.20899	-	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.06206	-	G11-17T	345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	THISTLE 7	345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	THISTLE 7	345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1195	0.04692	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.11765	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	956	0.03661	-	AXTELL - PAULINE	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	559	0.10308	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A)	345/230/13.2KV TRANSFORMER CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1328	0.06471	-	MINGO - SETAB	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.06206	-	G11-17T	345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1328	0.06878	-	HOLCOMB - SETAB	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1324	0.05379	-	LAWTON EASTSIDE - OKLAUNION	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.04775	-	AXTELL - POST ROCK	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	956	0.04786	-	GERALD GENTLEMAN STATION - RED WILLOW	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1052	0.05379	-	G05-15T	345.00 - OKLAUNION 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	956	0.05465	-	EMPORIA ENERGY CENTER - WICHITA	345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1052	0.05379	-	G05-15T	345.00 - TUCO INTERCHANGE 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.31318	-	BEAVER CO	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	1792	0.31318	-	BEAVER CO	345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_021		Non Converged Contingency	0	0.74919	-	BEAVER CO	345.00 - G11-021T 345.00 345KV CKT 1
FNSL-Blown up	02G11_021	2	12G	G11_021		Non Converged Contingency	0	0.6366	-	DBL-BVR-WWRD	
FNSL-Blown up	02G11_021	2	12G	G11_021		Non Converged Contingency	1195	0.26324	-	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	02ALL	2	12G	G11_021		Non Converged Contingency	0	0.63491	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	2	12G	G11_021		Non Converged Contingency	0	0.63491	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	G11_021		Non Converged Contingency	0	0.21404	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	2	12G	G11_021		Non Converged Contingency	0	0.16468	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G11_021		Non Converged Contingency	1052	0.16468	-	FINNEY SWITCHING STATION - STEVENSCO	345.00 345KV CKT 1
FNSL-Blown up	2	2	12G	G11_021		Non Converged Contingency	0	0.63674	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1195	0.20663	-	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1195	0.20663	-	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1792	0.05307	-	G11-17T	345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1792	0.04486	-	AXTELL - POST ROCK	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1328	0.05619	-	HOLCOMB - SETAB	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1328	0.06221	-	MINGO - SETAB	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	717	0.05887	-	MINGO - RED WILLOW	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1195	0.04123	-	MULGREN7	345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1792	0.05307	-	G11-17T	345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1051	0.04606	-	JEFFREY ENERGY CENTER - SUMMIT	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1195	0.04123	-	MULGREN7	345.00 - RENO COUNTY 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1792	0.10893	-	THISTLE 7	345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1792	0.10893	-	THISTLE 7	345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	956	0.03468	-	AXTELL - PAULINE	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	956	0.0461	-	GERALD GENTLEMAN STATION - RED WILLOW	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	717	0.03479	-	GRAND ISLAND - SWEETWATER	345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	0	0.21787	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	0	0.62336	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_021		Non Converged Contingency	1324	0.05298	-	LAWTON EASTSIDE - OKLAUNION	345KV CKT 1
FNSL-Blown up	02ALL	3	12G	G11_021		Non Converged Contingency	1052	0.16392	-	FINNEY SWITCHING STATION - STEVENSCO	345.00 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	G11_021		Non Converged Contingency	0	0.21298	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_021		Non Converged Contingency	0	0.6344	-	DBL-BVR-WWRD	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	02ALL	3	12G	G11_021		Non Converged Contingency	0	0.16392	-	DBL-FINY-HOL
FNSL-Blown up	02G11_021	3	12G	G11_021		Non Converged Contingency	0	0.63611	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	3	12G	G11_021		Non Converged Contingency	1792	0.04827	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_021		Non Converged Contingency	0	0.20823	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_021		Non Converged Contingency	0	0.21888	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_021		Non Converged Contingency	0	0.5506	-	DBL-BVR-WWRD
FNSL-Blown up	02NR	2	12G	G11_021		Non Converged Contingency	0	0.40876	-	DBL-BVR-WWRD
FNSL-Blown up	02NR	3	12G	G11_021		Non Converged Contingency	0	0.40979	-	DBL-BVR-WWRD
FNSL	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21551	124.7714	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FNSL	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21552	124.7089	SPP-WERE-07C
FNSL	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	113.2862	GEN336153 1-WATERFORD UNIT#3
FNSL	02G11_021	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28009	107.7899	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26314	104.0475	SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26286	104.0029	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2627	103.0195	SPP-WERE-07C
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26269	103.0774	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.8493	GEN523277 1-VALERO SUB
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.3372	GEN560584 1-G06-44-1 0.6000
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.8321	GEN527162 1-MUSTANG GEN #2
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.4316	GEN527161 1-MUSTANG GEN #1
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.338	GEN527902 1-HOBBS PLANT #2 (CT)
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.3231	GEN527901 1-HOBBS PLANT #1 (CT)
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.0465	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FNSL	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	100.301	GEN527903 1-HOBBS PLANT #3 (ST)
FNSL	01ALL	2	12G	G11_021	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.22441	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01ALL	2	12G	G11_021	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.22441	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS-CHECK-TC-I	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26402	104.5	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26286	104.1	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26258	103.8	NORTH MEMPHIS REC - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26258	103.8	MEMPHIS - NW MEMPHIS 69KV CKT 1
FDNS-CHECK-TC-I	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26258	103.8	SPP-AEPW-25
FDNS-CHECK-TC-I	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.7	GEN524286 1-CLR_3 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24027	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24027	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23232	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30895	136.9326	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.29091	136.3151	DBL-HTCH-BVR
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30212	135.5058	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	134.7719	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	134.0026	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2288	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2288	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	133.3152	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2217	132.9655	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27283	132.8871	DBL-WICH-THI
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24309	132.853	DBL-FINY-HOL
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	132.814	GEN335831 1-RIVERBEND UNIT#1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	131.9628	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22609	131.8818	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22609	131.831	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24309	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	131.0805	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	130.9163	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	130.8369	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23232	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	130.6086	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	130.5303	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24309	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.8586	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22483	129.8511	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.8409	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23232	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.7529	GEN337041 1-GERALD ANDRUS
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.6935	GEN501813 1-RODEMACHER UNIT 3
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.5467	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.4255	GEN520947 1-HUGO1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.4166	GEN509403 1-PIRKEY GENERATION	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.386	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.3847	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.3437	GEN338388 1-PLUMPT 23.000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.2298	GEN560323 1-G10-40 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.2206	GEN336831 1-BAXTER WILSON SES	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.1796	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.1255	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	129.0854	GEN335206 1-NELSON UNIT 6	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.9622	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.9615	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.877	GEN335204 1-NELSON UNIT 4	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.8222	GEN334440 1-SABINE UNIT 4	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.8037	GEN515042 1-SEMINOLE 3G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2217	128.7551	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21927	128.6482	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.6306	GEN515040 1-SEMINOLE 1G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.5674	GEN509406 1-WELSH #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.5673	GEN509404 1-WELSH #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.5673	GEN509405 1-WELSH #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.4899	GEN512688 2-GRDA1 GSU2 22	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21967	128.4488	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.4114	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21967	128.3815	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21877	128.3701	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.3279	GEN334441 1-SABINE UNIT 5	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.3217	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2217	128.3098	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2214	128.294	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21877	128.2715	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.2203	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21927	128.1858	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22078	128.1808	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.1754	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.1178	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	128.0517	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	127.8444	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.8298	GEN512689 1-GRDA1 GSU1 22	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22483	127.7925	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22138	127.7473	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.6862	GEN515041 1-SEMINOLE 2G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.588	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21782	127.5366	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21782	127.5165	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21691	127.4217	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.4095	GEN336170 1-GULF OXY U4	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21691	127.4013	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.2846	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.2765	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21813	127.2491	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.1934	GEN514911 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.1933	GEN514910 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	127.1321	GEN514942 2-REDBUD4G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2177	127.075	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21964	127.0696	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21967	127.0195	SPP-SWPS-03	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22833	126.9854	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.9818	GEN334070 1-LEWIS CREEK 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.9516	GEN514905 1-REDBUD3S	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.9513	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.9503	GEN514899 1-REDBUD1S	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.9179	GEN514900 1-REDBUD2S	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21942	126.9089	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21562	126.8718	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.8517	GEN542956 2-LACYGNE UNIT #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.8505	GEN542955 1-LACYGNE UNIT #1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21787	126.8356	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.8235	GEN501823 1-TECHE UNIT 3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22214	126.7597	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.7456	GEN334431 1-SABINE UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.7455	GEN334431 1-SABINE UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.723	GEN542962 2-IATAN UNIT #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21775	126.6892	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.6639	GEN501910 1-ACADIA UNIT ST1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.6504	GEN549893 2-SOUTHWEST 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.6374	GEN505432 1-SIKESTON	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.5928	GEN511938 1-OEC STEAM # 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21684	126.5819	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.5502	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.5416	GEN334030 1-FRONTIER UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.5416	GEN334031 1-FRONTIER UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21526	126.5378	CIMARRON - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.5061	GEN318007 1-5MOROW161 161.00	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.5016	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.476	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21702	126.4522	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4469	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4469	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4351	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4126	GEN542951 5-HAWTHORN UNIT #5	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21702	126.412	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21646	126.4113	SPP-MKEC-08	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4078	GEN337125 6-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4071	GEN560706 1-G11-010 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4004	GEN337428 1-PERYVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.4004	GEN337430 1-PERYVILLE UNIT #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3997	GEN337006 1-DUKE MCADAMS G1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3997	GEN337007 1-DUKE MCADAMS G2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3977	GEN515266 1-AES 1G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3977	GEN515267 1-AES 2G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3691	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.369	GEN337429 1-PERYVILLE UNIT #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3688	GEN337432 1-PERYVILLE UNIT #5	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3669	GEN337008 1-DUKE MCADAMS S1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21929	126.3641	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21612	126.3551	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3415	GEN335203 1-NELSON UNIT 3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21594	126.3398	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21538	126.3236	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21685	126.3202	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3176	GEN547649 1-ASBURY UNIT #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21594	126.3168	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22214	126.3152	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.308	GEN336944 1-REX BROWN	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.304	GEN501911 1-ACADIA UNIT CT1A	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.304	GEN501912 1-ACADIA UNIT CT1B	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.3003	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2901	GEN336167 1-GULF OXY U1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2901	GEN336168 1-GULF OXY U2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2901	GEN336169 1-GULF OXY U3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2831	GEN560623 1-ASGI-10-01 0.6000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21947	126.2704	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21555	126.2684	WRTOD400	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2648	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21608	126.2643	CIRCLE - MULLERGEN 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2561	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21595	126.253	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	126.2478	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2473	GEN335570 1-CARVILLE CTG	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2473	GEN335571 1-CARVILLE UNIT #1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	126.2456	STLN-DEMARCG - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	126.245	SPP-SWPS-02	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2316	GEN335075 1-DYNEGY#1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2316	GEN335076 1-DYNEGY UNIT2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21595	126.2242	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21552	126.2226	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2225	GEN335572 1-CARVILLE STG	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2161	126.2162	MULLERGREEN - SPEARVILLE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21947	126.2148	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2071	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2054	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21841	126.2053	BENTON - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.205	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21685	126.2024	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2014	GEN514912 2-REBUD GEN	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.2012	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.1973	GEN645011 1-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21942	126.1827	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21689	126.1806	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.1791	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.1791	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21707	126.1774	OGE3TERM1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.1509	GEN506752 1-LEBROCK GAS 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21689	126.1317	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21594	126.1214	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21689	126.0986	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21619	126.0825	AXTELL - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21778	126.0666	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.0606	GEN520812 1-ANADRK5	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.0591	GEN337954 1-LYNCH UNIT #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21628	126.0504	GEN506752 1-LEBROCK GAS 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21628	126.0504	SPP-WERE-34	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.0485	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21628	126.0451	SPP-MKEC-05	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.0344	GEN338513 1-BAILEY UNIT #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21628	126.031	SPP-WEPL-03A	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.022	GEN549890 1-SOUTHWEST 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.0167	GEN335201 1-NELSON UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	126.003	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9951	GEN520813 1-ANADRK6	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9751	GEN338510 1-1S1KNWRI	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9751	GEN338511 1-1C7KNWRI	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21556	125.9694	ANDERSONCO 345.00 - LACYGEN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9667	GEN334456 1-CONOCO UNIT#1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21952	125.9537	SPP-SWPS-02A	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2162	125.9489	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21594	125.943	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2156	125.9427	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21685	125.9408	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21612	125.9408	MOORE - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9305	GEN511851 1-COMANCHE #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.92	GEN335202 1-NELSON UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21556	125.9178	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9071	GEN520811 1-ANADRK4	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21628	125.9068	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.9029	GEN503900 1-FITZHUGH CT1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8963	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8882	GEN546702 1-NM GEN N1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8873	GEN337124 5-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.88	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8721	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.862	GEN300016 1-1G1GPDEL 18.000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.862	GEN300017 1-1G2GPDEL 18.000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8589	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8525	GEN506749 1-EASTMAN GENERATION A	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8444	GEN509409 1-WILKES #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8414	GEN547656 1-STATE LINE UNIT #2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.8391	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21563	125.8367	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21589	125.8363	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21629	125.8183	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.818	GEN335137 C4-PPG	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21563	125.8157	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21563	125.8148	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21563	125.8113	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.8109	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.7965	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21598	125.7934	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21588	125.7864	KNOBHILL - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21573	125.7814	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7807	GEN334467 1-DUPONT UNIT#1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21563	125.7786	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7673	GEN500915 3-WESTERN KRAFT	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21582	125.7617	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21588	125.7576	HELENA TAP - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7553	GEN599891 1-OKLAUN	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7506	GEN334335 1-TOLEDO BEND	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2162	125.7444	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21729	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7428	GEN335546 3-DOW COGEN	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21565	125.7421	CANTON - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21562	125.7411	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21582	125.7383	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7274	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7274	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7274	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7274	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7266	GEN521214 1-BLUCAN2 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.7244	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21547	125.7218	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7171	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7116	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7116	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7109	GEN560169 1-G08-13 0.5750	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21565	125.7045	CANTON - OKEENE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.7043	GEN335644 1-EXXON UNITS	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21588	125.6945	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21572	125.6916	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.6915	GEN511853 1-COMANCHE #3	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	125.6879	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21644	125.6874	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.6865	GEN511852 1-COMANCHE #2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21515	125.6846	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.6789	GEN337054 1-GREENWOOD	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21582	125.6786	SPP-SWPS-T54	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21582	125.6776	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21588	125.6767	GOLTRY - IMO 69KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21582	125.6761	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21929	125.6664	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21527	125.648	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21532	125.6258	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.6037	GEN560603 1-G07-06 0.6000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21578	125.6019	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.2435	BASE CASE	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	125.2435	NC1_GEN-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21525	125.136	DBL-THIS-CLR	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21515	125.0274	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21515	125.0061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.9022	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21537	124.8966	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.89	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.8765	GEN562014 1-G11_023_3 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21429	124.8637	SPP-AEPW-01	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21387	124.8617	MUSKOGEE - SEMINOLE 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.8495	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21507	124.8428	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.8392	GEN560585 1-G06-44-2 0.6000
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21552	124.8359	SPP-WERE-07
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21504	124.8277	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21551	124.8258	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21449	124.8227	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.8216	GEN560173 1-G08-17 0.5750
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21552	124.8097	OGE3TERM7
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.215	124.8094	LACYGNE - STILWELL 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21517	124.7894	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21517	124.7782	AMRN_OUT55
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21574	124.7759	DELAWARE - NEOSHO 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21488	124.7659	GRDA-OPGD-05
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21529	124.7461	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21551	124.7408	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21551	124.7407	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.7375	GEN560170 1-G08-16 34.500
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.7174	GEN524286 1-CLR_3 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21562	124.7117	G11-007T 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6986	GEN560595 1-G06-47 0.6000
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6976	GEN560592 1-G06-45 0.6000
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6959	GEN560286 1-G10-01-1WTG 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6959	GEN560287 1-G10-01-2WTG 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21552	124.6792	SPP-WERE-07B
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6645	GEN560586 1-G06-44-3 0.6000
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21445	124.6641	CLEVELAND - SOONER 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6567	GEN560371 1-G07-46 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21436	124.6563	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21517	124.6536	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.6414	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21519	124.5907	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.5823	GEN560256 1-G10-14-1 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.5768	GEN560105 1-G08-22 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.5685	GEN560257 1-G10-14-2 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.5672	GEN560279 1-G08-18 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21755	124.5262	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21406	124.5114	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21406	124.5111	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.4955	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21494	124.4825	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.4771	GEN523103 1-NOBLE_WND 3115.00
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21375	124.4535	PITTSBURG - VALLIANT 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21774	124.4329	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21471	124.4324	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21774	124.4302	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.398	GEN560359 1-G08-51 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21507	124.3903	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.3501	GEN560166 1-G07-48 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21354	124.3446	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.3381	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.3318	GEN560598 1-G06-49 0.6000
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.3209	GEN560570 1-G06-39 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21929	124.2829	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.2823	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.2701	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.2699	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.2587	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21467	124.2137	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21582	124.1651	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21755	124.1621	G08-127T 345.00 - ROSE HILL 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21079	124.1504	NORTHWEST - SPRING CREEK 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21079	124.1473	SOONER - SPRING CREEK 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21355	124.1398	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.1373	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.0888	GEN515790 1-FPLWWD2
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.0682	GEN520922 1-SLEEPING BEAR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	124.0115	GEN527161 1-MUSTANG GEN #1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.998	GEN515389 1-TLAWND1 34.500	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20796	123.9588	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.7633	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21526	123.6981	GRACEMONT - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.6888	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.6781	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.5251	GEN526331 1-JONES GEN #1 22 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.5216	GEN526332 1-JONES GEN #2 21 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.4035	GEN515397 1-OUSPR1 34.500	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.2881	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.1076	GEN515364 1-CENT 11 0.6000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	123.0003	GEN560180 1-G07-51 0.6000	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	122.9398	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21256	122.6968	REDBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	122.4416	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	122.4201	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	122.4194	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	122.3272	GEN515393 1-OGEWND2G	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	122.2883	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20911	122.1911	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	121.264	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	121.264	GEN560224 1-G07-62-4 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	121.1414	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	121.1414	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	121.1328	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	120.4955	GEN560429 1-G08-29 0.6400	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	120.2863	GEN515450 1-CRSRDW21 34.500	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	120.2672	GEN515449 1-CRSRDW11 34.500	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	118.9958	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	118.9958	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26	118.7202	DBL-THIS-WWR	
FDNS	02G11_021	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26748	117.4174	DBL-WICH-THI	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	116.3503	GEN560648 1-G07-21 0.5750	
FDNS	2	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26757	115.8542	DBL-WICH-THI	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23086	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02G11_021	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.3036	114.0162	DBL-THIS-WWR	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	113.9892	GEN336821 1-GRAND GULF UNIT	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2391	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2391	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	112.7067	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22376	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.53857	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.53857	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	112.2585	GEN335831 1-RIVERBEND UNIT#1	
FDNS	2	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.30372	112.2028	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	112.059	GEN560175 1-G07-44 0.5750	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	111.9442	GEN562010 1-G11_024_3 0.6900	
FDNS	01ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21509	111.7538	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22376	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	111.4691	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22752	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22752	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	110.6533	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	110.5045	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	110.4315	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22034	110.3424	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	110.1938	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	110.1359	GEN501801 1-DOLET HILLS UNIT1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.28972	110.066	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24194	109.8276	DBL-FINY-HOL	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22472	109.7284	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22472	109.7102	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	109.5453	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23086	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	109.4642	GEN337041 1-GERALD ANDRUS	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.4089	GEN514806 1-SOONER UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.3518	GEN501813 1-RODEMACHER UNIT 3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.2629	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.2486	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL		0	12G	G11_021	TO->FROM	TATONGA7	345.00	-	WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30212	109.1905	DBL-THIS-WWR
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.1015	GEN514805 1-SOONER UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.0925	GEN520947 1-HUGO1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.0433	GEN515226 1-MUSKOGEE 6G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.0294	GEN338388 1-1PLUMPT 23,000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	109.0174	GEN509416 1-TURK GENERATION
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.9543	GEN336831 1-BAXTER WILSON SES
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.8143	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20861	108.8035	GEN336821 1-GRAND GULF UNIT
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.7774	GEN335206 1-NELSON UNIT 6
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22347	108.774	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.23086	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.644	GEN515225 1-MUSKOGEE 5G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.6433	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.23349	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.23349	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24194	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.5798	GEN335204 1-NELSON UNIT 4
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.5274	GEN334440 1-SABINE UNIT 4
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.4996	GEN515042 1-SEMINOLE 3G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.4123	GEN509406 1-WELSH #3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.4122	GEN509404 1-WELSH #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.4122	GEN509405 1-WELSH #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.3212	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20861	108.2512	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.2359	GEN509394 1-FLINT CREEK
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.1333	GEN560323 1-G10-40 0.6900
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.092	GEN336801 1-BAXTER WILSON UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.0576	GEN334441 1-SABINE UNIT 5
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	108.0427	GEN511839 1-NORTHEASTERN STATION #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.9441	GEN511840 1-NORTHEASTERN STATION #3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.8825	GEN511841 1-NORTHEASTERN STATION #4
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22034	107.8219	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22204	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22204	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.6699	GEN512689 1-GRDA1 GSU1 22
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.218	107.6516	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20861	107.571	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22034	107.4683	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.4413	GEN515041 1-SEMINOLE 2G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21817	107.4082	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21817	107.4077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21835	107.378	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.24194	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21744	107.3649	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.3622	GEN560687 1-G11-007 0.5750
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22347	107.3518	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21835	107.3238	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21744	107.2867	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.218	107.2521	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.186	GEN336170 1-GULF OXY U4
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21953	107.18	MINGO - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22004	107.1704	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22016	107.1628	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20861	107.1492	GEN335831 1-RIVERBEND UNIT#1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.0935	GEN515040 1-SEMINOLE 1G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.071	GEN300006 1-NEW MADRID UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	107.0643	GEN300007 1-NEW MADRID UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	106.969	GEN514910 2-REDBUD GEN
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	106.969	GEN514911 2-REDBUD GEN
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	106.91	GEN514942 2-REDBUD4G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21378	106.9067	GEN515443 1-MNCOWND1 34.500
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.21649	106.8179	CEDARDALE - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21415	106.8101	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21649	106.7877	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7743	GEN334070 1-LEWIS CREEK 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7452	GEN334071 1-LEWIS CREEK 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7406	GEN514905 1-REDBUD3S
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7392	GEN514899 1-REDBUD1S
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7277	GEN542956 2-LACYGNE UNIT #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7262	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21832	106.7243	SPP-SWPS-03
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.7084	GEN514900 1-REDBUD2S
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21774	106.6512	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.6259	GEN542962 2-IATAN UNIT #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.6213	GEN501823 1-TECHE UNIT 3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21687	106.5725	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.5559	GEN334431 1-SABINE UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.5559	GEN334432 1-SABINE UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.5303	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.5228	GEN549893 2-SOUTHWEST 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21558	106.5186	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21558	106.5047	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21817	106.4868	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.4787	GEN501910 1-ACADIA UNIT ST1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.4531	GEN505432 1-SIKESTON
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.4487	GEN511938 1-OEC STEAM # 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21638	106.4439	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.4057	GEN542957 1-IATAN UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21641	106.4037	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21654	106.4005	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3571	GEN334030 1-FRONTIER UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3571	GEN334031 1-FRONTIER UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2181	106.343	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21837	106.3357	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3277	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3245	GEN318007 1-5MOROW161 161.00
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3131	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3131	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3026	GEN542951 5-HAWTHORN UNIT #5
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.3013	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20861	106.2965	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2779	GEN560636 1-ASGI-10-06 0.6900
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2382	GEN337125 6-LS POWER BATESVILLE
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2367	GEN337428 1-PERVILLE UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2367	GEN337430 1-PERVILLE UNIT #3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.214	106.2264	LACYGNE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2231	GEN337006 1-DUKE MCADAMS G1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2231	GEN337007 1-DUKE MCADAMS G2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2161	GEN515266 1-AES 1G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2161	GEN515267 1-AES 2G
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2061	GEN337429 1-PERVILLE UNIT #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.2059	GEN337432 1-PERVILLE UNIT #5
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1995	GEN337008 1-DUKE MCADAMS S1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1787	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1664	GEN335203 1-NELSON UNIT 3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1655	GEN560623 1-ASGI-10-01 0.6000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1564	GEN547649 1-ASBURY UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1474	GEN645011 1-NEBRASKA CITY 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1453	GEN336944 1-REX BROWN
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1307	GEN501911 1-ACADIA UNIT CT1A
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1307	GEN501912 1-ACADIA UNIT CT1B
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1301	GEN336167 1-GULF OXY U1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1301	GEN336168 1-GULF OXY U2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1301	GEN336169 1-GULF OXY U3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1299	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1296	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.1278	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.22081	106.1151	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	106.0956	GEN300003 1-THOMAS HILL UNIT 3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0923	GEN334392 1-EXXON MOBIL IPP 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0883	GEN335570 1-CARVILLE CTG
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0883	GEN335571 1-CARVILLE UNIT #1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0721	GEN335075 1-DYNEGY#1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0721	GEN335076 1-DYNEGY UNIT2
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21551	106.0671	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21569	106.0646	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0642	GEN335572 1-CARVILLE STG
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21817	106.0629	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21817	106.0619	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21813	106.061	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21817	106.0607	SPP-SWPS-02
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21422	106.0515	WRTOD400
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0368	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0368	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0303	GEN338500 1-MCCLELLAN UNIT #1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21569	106.0294	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21553	106.0246	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0223	GEN514912 2-REDBUD GEN
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0175	GEN506752 1-LEBROCK GAS 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21514	106.0154	SPP-MKEC-08
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	106.0126	GEN560706 1-G11-010 0.6900
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21813	106.0117	DEWEY - IODINE 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21481	106.0117	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2142	106.0105	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.9897	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21398	105.9808	CIMARRON - MINCO 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21774	105.9777	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21463	105.9718	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21705	105.9192	BENTON - ROSE HILL 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.9114	GEN520812 1-ANADRK5
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22704	105.9055	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21553	105.9032	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.903	GEN337954 1-LYNCH UNIT #3
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21477	105.8966	CIRCLE - MULLERGREY 230KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8941	GEN549890 1-SOUTHWEST 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8716	GEN338513 1-BAILEY UNIT #1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21479	105.87	MULLERGREY - SPEARVILLE 230KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8624	GEN511836 1-NORTHEASTERN STATION #1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8533	GEN335201 1-NELSON UNIT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21462	105.8448	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21464	105.8354	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21464	105.8171	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8138	GEN338510 1-1S1KNWRI
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8138	GEN338511 1-1C7KNWRI
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8067	GEN511851 1-COMANCHE #1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.8051	GEN334456 1-CONOCO UNIT#1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2181	105.7878	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7864	GEN520811 1-ANADRK4
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7839	GEN546702 1-NM GEN N1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7688	GEN335202 1-NELSON UNIT 2
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7675	GEN520813 1-ANADRK6
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7668	GEN503900 1-FITZHUGH CT1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21817	105.7666	SPP-SWPS-02A
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21496	105.7658	SPP-WEPL-03
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21496	105.7658	SPP-WERE-34
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21496	105.762	SPP-MKEC-05
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21488	105.7603	AXTELL - PAULINE 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21428	105.747	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7457	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7422	GEN560645 1-ASGI-10-09 0.6900
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21557	105.7342	DOVER SW - HENESSEY 138KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7304	GEN337124 5-LS POWER BATESVILLE
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22081	105.7228	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7182	GEN506749 1-EASTMAN GENERATION A
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7145	GEN511843 1-RIVERSIDE STATION #2
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7104	GEN509409 1-WILKES #3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7092	GEN335611 1-WILLOW GLENN UNIT#1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21575	105.7082	OGE3TERM1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7074	GEN599891 1-OKLAUN
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7063	GEN300016 1-1G1GPDEL 18.000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.7063	GEN300017 1-1G2GPDEL 18.000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21426	105.7047	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.6919	GEN547656 1-STATE LINE UNIT #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21557	105.6893	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.23622	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.6759	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21462	105.6736	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21496	105.6715	SPP-WEPL-03A
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.6689	GEN335137 C4-PPG
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21426	105.6541	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21481	105.649	MOORE - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21496	105.6482	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21553	105.6451	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21557	105.6416	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21463	105.6307	KNOLL 230 - SMOKYH6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.6294	GEN334467 1-DUPONT UNIT#1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.6161	GEN500915 3-WESTERN KRAFT
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21471	105.6123	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.6	GEN334335 1-TOLEDO BEND
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21466	105.5997	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5991	GEN335546 3-DOW COGEN
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21488	105.5988	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5958	GEN521214 1-BLUCAN2 0.6900
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2165	105.5909	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21489	105.5853	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5788	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5788	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5788	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5788	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5748	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5736	GEN511853 1-COMANCHE #3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5732	GEN300002 1-THOMAS HILL UNIT 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5698	GEN511852 1-COMANCHE #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5685	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5685	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2145	105.5562	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5556	GEN335644 1-EXXON UNITS
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5546	GEN560169 1-G08-13 0.5750
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21312	105.5469	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.5369	GEN337054 1-GREENWOOD
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2145	105.5354	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2143	105.5326	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21446	105.5322	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21393	105.5291	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21442	105.5277	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21457	105.5196	CIMARRON - EL RENO 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21383	105.5086	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21393	105.5048	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21471	105.5047	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21501	105.5033	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.4997	GEN506753 1-LEBROCK GAS 2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.4932	GEN560603 1-G07-06 0.6000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21456	105.4891	KNOBHILL - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.4835	GEN334458 1-CONOCO UNIT#3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21511	105.4833	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2145	105.4819	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.4815	GEN300001 1-THOMAS HILL UNIT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2145	105.4808	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21416	105.4793	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	105.4781	GEN337652 1-WHITE BLUFF UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21431	105.4771	PUTNAM - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	105.4752	GEN334282 1-SAM RAYBURN 4
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21471	105.4725	Canadian Pump Station - HINTON 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY		
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2145	105.4714	SPP-SWPS-T54
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21434	105.4712	CANTON - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.471	GEN560118 1-G08-46 0.6900
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.47	GEN549899 5-JAMES RIVER 5
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.214	105.4664	BROOKLINE - MORGAN 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21456	105.4653	HELENA TAP - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4643	GEN335640 1-ENCO
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2143	105.4602	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21431	105.4599	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21431	105.4593	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21431	105.4579	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21597	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4458	GEN542954 3-MONTROSE UNIT #3
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2144	105.4433	OKEENE - WATONGA SW 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4423	GEN506750 1-EASTMAN GENERATION B
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21434	105.4417	CANTON - OKEENE 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21433	105.4367	MARSHALL - WOODRING 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21382	105.4365	BDANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4356	GEN338512 1-1S2KNWRI
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4346	GEN502438 1-DOC BONIN UNIT #2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4342	GEN502436 1-HARGIS2
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21431	105.4332	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.214	105.4332	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.432	GEN338507 1-1C1KNWRI
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.432	GEN338508 1-1C3KNWRI
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.432	GEN338509 1-1C5KNWRI
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4312	GEN318009 1-2MOSEL 69 69.000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21433	105.4286	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21357	105.4284	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2145	105.426	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4235	GEN560633 1-ASGI-10-05 0.6900
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4231	GEN542952 1-MONTROSE UNIT #1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2145	105.4227	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21387	105.4199	MCLEROY - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.417	GEN505482 1-BEAVER
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21425	105.4108	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21456	105.4098	GOLTRY - HELENA TAP 69KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.2143	105.4077	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4069	GEN505616 1-BROKEN BOW
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4062	GEN503305 1-CITY OF HOUMA SUB
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21447	105.4047	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.4013	GEN502435 1-HARGIS1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21388	105.3983	LAKEOVER - MCADAMS 500KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21399	105.3978	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21389	105.3943	AI43
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20861	105.3392	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20861	105.2653	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21258	105.2447	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21258	105.2433	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.1044	BASE CASE
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	105.1044	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21814	105.0234	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20861	104.9855	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	02ALL		0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.20861	104.9459	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21396	104.8628	DBL-SPRVL-CL
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21383	104.8539	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21603	104.8054	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	104.8008	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	104.8	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	104.7932	GEN539767 1-GRAY COUNTY WIND FARM
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	104.7921	GEN562014 1-G11_023_3 0.6900
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21436	104.7918	DELAWARE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21404	104.7832	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	104.7664	GEN560173 1-G08-17 0.5750
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21378	104.7659	GEN560585 1-G06-44-2 0.6000
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21317	104.7558	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.21375	104.7441	LACYGNE - WEST GARDNER 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21418	104.7437	SPP-WERE-07
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21368	104.7396	OGE3TERM14
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21417	104.7314	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21396	104.7299	DBL-THIS-CLR
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21372	104.7192	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21368	104.7176	LACYGNE - STILWELL 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21418	104.715	OGE3TERM7
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6946	GEN560170 1-G08-16 34.500
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21385	104.6887	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL		0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21272	104.6881	SPP-SWPS-03
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21417	104.6856	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21357	104.6781	GRDA-OPGD-05
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21385	104.6779	AMRN_OUTSS
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6774	GEN524286 1-CLR 3 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20934	104.6756	SOONER - SPRING CREEK 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20934	104.6734	NORTHWEST - SPRING CREEK 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21303	104.665	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6641	GEN560595 1-G06-47 0.6000
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6632	GEN560592 1-G06-45 0.6000
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21417	104.657	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21417	104.6566	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21395	104.6482	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6448	GEN560286 1-G10-01-1WTG 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6448	GEN560287 1-G10-01-2WTG 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21774	104.6419	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21418	104.6274	SPP-WERE-07C
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6236	GEN560371 1-G07-46 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.6211	GEN560586 1-G06-44-3 0.6000
FDNS	02ALL		0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21814	104.6185	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21313	104.6117	CLEVELAND - SOONER 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21418	104.5974	SPP-WERE-07B
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.5929	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21641	104.587	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.574	GEN560105 1-G08-22 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.5571	GEN560279 1-G08-18 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21385	104.5566	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.5518	GEN560256 1-G10-14-1 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.5405	GEN560257 1-G10-14-2 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21242	104.5103	PITTSBURG - VALLIANT 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21375	104.505	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21387	104.4944	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.4722	GEN562042 1-G11_014_3 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21641	104.4633	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21278	104.4584	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.458	GEN523103 1-NOBLE_WND 3115.00
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21278	104.4539	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21603	104.4489	G08-127T 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2136	104.4333	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.4253	GEN515790 1-FPLWND2
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.4161	GEN560359 1-G08-51 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.3931	GEN520922 1-SLEEPING BEAR
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2134	104.3817	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.381	GEN560166 1-G07-48 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.3604	GEN515389 1-TLGAWND1 34.500
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.3577	GEN560570 1-G06-39 0.6900
FDNS	02ALL		0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	104.3559	GEN336251 1-NINEMILE POINT UNIT#4
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.3548	GEN560598 1-G06-49 0.6000
FDNS	02G11_021		0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22492	104.3361	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.3025	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2122	104.2921	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.2813	GEN560121 1-G08-47 0.5750
FDNS	02ALL		0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	104.2781	GEN337041 1-GERALD ANDRUS
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.2773	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.2772	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21226	104.269	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.268	GEN527162 1-MUSTANG GEN #2
FDNS		1	0	12G	G11_021	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21443	104.2133	DELAWARE - NORTHEAST STATION 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21258	104.1911	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21336	104.178	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.1744	GEN562020 1-G11_021_3 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	104.1487	GEN501813 1-RODEMACHER UNIT 3	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	104.0559	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	104.0417	GEN509403 1-PIRKEY GENERATION	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21398	103.9537	GRACEMONT - MINCO 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20674	103.9294	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.9252	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.8934	GEN515397 1-OUSPR1 1 34.500	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.8808	GEN520947 1-HUGO1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.8424	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.8421	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.8338	GEN338388 1-1PLUMPT 23.000	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.8331	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.8074	GEN509416 1-TURK GENERATION	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.7504	GEN336831 1-BAXTER WILSON SES	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21258	103.7333	SPP-SWPS-02	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21258	103.7327	STATELINE INTERCHANGE - STLN-DEMAR6 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21258	103.7288	STLN-DEMAR6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.7212	GEN514806 1-SOONER UNIT 2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.7128	GEN515364 1-CENT 11 0.6000	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.6861	GEN560180 1-G07-51 0.6000	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21501	103.6783	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.6247	GEN526331 1-JONES GEN #1 22 KV	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.6213	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.5919	GEN501812 1-RODEMACHER UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.554	GEN335206 1-NELSON UNIT 6	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21258	103.4681	SPP-SWPS-02A	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.4387	GEN514805 1-SOONER UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.3888	GEN515226 1-MUSKOGEE 6G	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.356	GEN531447 1-HOLCOMB GENERATOR	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.3527	GEN335204 1-NELSON UNIT 4	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21501	103.3179	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.2987	GEN334440 1-SABINE UNIT 4	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21486	103.2919	MINGO - RED WILLOW 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.2138	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.1876	GEN509406 1-WELSH #3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.1875	GEN509404 1-WELSH #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.1875	GEN509405 1-WELSH #2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	103.181	GEN515393 1-OGEWND2G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21424	103.1038	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21235	103.0961	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.0898	GEN512688 2-GRDA1 GSU2 22	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.211	103.084	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21118	103.0556	REBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	2	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22502	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21277	103.0347	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.0288	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	103.0283	GEN515223 1-MUSKOGEE 4G	
FDNS	02G11_021	0	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1	1052	0.51305	102.9979	DBL-HTCH-BVR	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.9966	GEN509394 1-FLINT CREEK	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21501	102.9556	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.8757	GEN515042 1-SEMINOLE 3G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.8617	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.8203	GEN334441 1-SABINE UNIT 5	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.785	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.6882	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.675	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.6567	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.6561	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21277	102.6528	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.6264	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.5906	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	02ALL	0	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1	1052	0.21715	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENS CO 345.00 345KV CKT 1	1052	0.21715	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21469	102.5685	BENTON - WICHITA 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21235	102.449	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21282	102.4411	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.4378	GEN515450 1-CRSRDW21 34.500	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.4376	GEN560223 1-G07-62-3 0.6900	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.4376	GEN560224 1-G07-62-4 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	102.4253	GEN512689 1-GRDA1 GSU1 22	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.3377	GEN560221 1-G07-62-1 0.6900	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	102.3377	GEN560222 1-G07-62-2 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21287	102.0633	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21287	102.0153	DEWEY - IODINE 138KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20787	102.0014	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21312	101.9769	HOLCOMB - SETAB 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	101.9764	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21217	101.9591	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.9396	GEN336170 1-GULF OXY U4	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.9328	GEN515041 1-SEMINOLE 2G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21305	101.9291	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21282	101.9118	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21217	101.8801	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21305	101.8738	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.8334	GEN300006 1-NEW MADRID UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.8262	GEN300007 1-NEW MADRID UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21163	101.6996	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.6782	GEN515040 1-SEMINOLE 1G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.5213	GEN334070 1-LEWIS CREEK 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.5028	GEN542956 2-LACYGNE UNIT #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.5017	GEN542955 1-LACYGNE UNIT #1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	101.501	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.4963	GEN514911 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.4962	GEN514910 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.4917	GEN334071 1-LEWIS CREEK 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21125	101.4796	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21125	101.4489	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.4436	GEN514942 2-REDBUD4G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.4408	GEN542962 2-IATAN UNIT #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.209	101.4356	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.4002	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.3663	GEN501823 1-TECHE UNIT 3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.3013	GEN334431 1-SABINE UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.3013	GEN334432 1-SABINE UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.2934	GEN514905 1-REDBUD3S	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.2923	GEN514899 1-REDBUD1S	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.2838	GEN549893 2-SOUTHWEST 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.265	GEN514900 1-REDBUD2S	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21043	101.2589	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.2241	GEN501910 1-ACADIA UNIT ST1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21043	101.2222	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.2051	GEN505432 1-SIKESTON	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.2043	GEN542957 1-IATAN UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20879	101.2012	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.1857	GEN511938 1-OEC STEAM # 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.1757	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21235	101.1724	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21177	101.1276	BENTON - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.1045	GEN334030 1-FRONTIER UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.1045	GEN334031 1-FRONTIER UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21114	101.095	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.0885	GEN542951 5-HAWTHORN UNIT #5	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.0704	GEN318007 1-5MOROW161 161.00	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.209	101.0636	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.0621	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.0621	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.0501	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20851	101.0425	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	101.0121	GEN560636 1-ASGI-10-06 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9863	GEN337428 1-PERYVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9863	GEN337430 1-PERYVILLE UNIT #3	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9835	GEN337125 6-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9774	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9773	GEN645011 1-NEBRASKA CITY 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9719	GEN560623 1-ASGI-10-01 0.6000	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9684	GEN337006 1-DUKE MCADAMS G1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9684	GEN337007 1-DUKE MCADAMS G2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9553	GEN337429 1-PERVILLE UNIT #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9551	GEN337432 1-PERVILLE UNIT #5	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20955	100.9547	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20943	100.9511	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.95	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9447	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9446	GEN337008 1-DUKE MCADAMS S1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9442	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9296	GEN547649 1-ASBURY UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.9136	GEN335203 1-NELSON UNIT 3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20961	100.9106	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21025	100.9041	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8899	GEN336944 1-REX BROWN	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8791	GEN336167 1-GULF OXY U1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8791	GEN336168 1-GULF OXY U2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8791	GEN336169 1-GULF OXY U3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8779	GEN501911 1-ACADIA UNIT CT1A	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8779	GEN501912 1-ACADIA UNIT CT1B	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21128	100.8742	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20904	100.859	WRTOD400	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20984	100.8568	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22042	100.8549	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8531	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21033	100.8509	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.847	GEN515266 1-AES 1G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.847	GEN515267 1-AES 2G	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20995	100.8455	SPP-MKEC-08	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8384	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8369	GEN335571 1-CARVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8368	GEN335570 1-CARVILLE CTG	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8195	GEN335075 1-DYNEGY#1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8195	GEN335076 1-DYNEGY UNIT2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20902	100.8125	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8124	GEN335572 1-CARVILLE STG	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22042	100.8116	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.8077	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2112	100.798	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21119	100.7923	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	100.7899	GEN562023 1-G11_020_3 0.6900	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	100.7899	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21066	100.7875	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.7761	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.7754	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.7754	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20962	100.7637	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.7633	GEN506752 1-LEBROCK GAS 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21033	100.7436	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	1	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21378	100.7002	GEN515449 1-CRSRDW11 34.500	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.6679	GEN520812 1-ANADRS5	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20969	100.6645	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20947	100.6643	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.656	GEN514912 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.6482	GEN337954 1-LYNCH UNIT #3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.6436	GEN549890 1-SOUTHWEST 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20943	100.6419	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.6338	GEN511851 1-COMANCHE #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.6177	GEN338513 1-BAILEY UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21023	100.6159	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20976	100.6106	SPP-WEPL-03	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20976	100.6106	SPP-WERE-34	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20976	100.6058	SPP-MKEC-05	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20851	100.6023	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.6006	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5977	GEN335201 1-NELSON UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5873	GEN560323 1-G10-40 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20976	100.5865	SPP-WEPL-03A	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20944	100.5845	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.5788	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20969	100.5754	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20947	100.5701	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20944	100.5664	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5572	GEN338510 1-1S1KNWRI	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5572	GEN338511 1-1C7KNWRI	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.5551	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20962	100.5542	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5489	GEN334456 1-CONOCO UNIT#1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5457	GEN520811 1-ANADRK4	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2091	100.5438	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5421	GEN546702 1-NM GEN N1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20947	100.5395	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5125	GEN335202 1-NELSON UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5092	GEN520813 1-ANADRK6	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5066	GEN503900 1-FITZHUGH CT1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.5013	GEN560645 1-ASGI-10-09 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20908	100.4998	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20976	100.4932	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.4915	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4904	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4903	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.4872	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21033	100.4869	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.4836	SPP-SWPS-T54	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4751	GEN337124 5-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4611	GEN506749 1-EASTMAN GENERATION A	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21066	100.4542	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4533	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4533	GEN509409 1-WILKES #3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20792	100.4529	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20909	100.4517	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4513	GEN300016 1-1G1GPDEL 18.000	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4513	GEN300017 1-1G2GPDEL 18.000	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4489	GEN547656 1-STATE LINE UNIT #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4453	GEN511843 1-RIVERSIDE STATION #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20908	100.4429	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21602	100.4297	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.4268	SHAMROCK - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4255	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.425	GEN509408 1-WILKES #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20839	100.4215	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.4179	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20947	100.4155	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4121	GEN335137 C4-PPG	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.4065	GEN560687 1-G11-007 0.5750	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21046	100.3998	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21046	100.386	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21035	100.3834	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20909	100.3832	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20971	100.3718	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3714	GEN334467 1-DUPONT UNIT#1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20947	100.3676	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3649	GEN511852 1-COMANCHE #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3576	GEN500915 3-WESTERN KRAFT	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20895	100.3567	CONWAY SUB - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20895	100.3528	NICHOLS STATION - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20898	100.3518	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21053	100.3513	OGE3TERM1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20874	100.3505	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20909	100.3436	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3419	GEN335546 3-DOW COGEN	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3416	GEN334335 1-TOLEDO BEND	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3414	GEN521214 1-BLUCAN2 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3404	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21035	100.3391	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.334	HOLLIS TAP - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20959	100.3298	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3291	GEN511853 1-COMANCHE #3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20969	100.3235	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3214	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3214	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3214	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.3214	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20895	100.3175	SPP-SWPS-T53	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.311	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.311	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20928	100.3101	CHILDRESS - HOLLIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21035	100.3083	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20931	100.3071	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20959	100.3035	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20895	100.3023	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2978	GEN335644 1-EXXON UNITS	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20919	100.2965	LAKE PAULINE - RUSSELL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2946	GEN515443 1-MNCOWND1 34.500	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2931	GEN560169 1-G08-13 0.5750	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20909	100.288	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20983	100.2872	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2795	GEN337054 1-GREENWOOD	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20931	100.2636	CLINTON - G07-32T 138.00 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20866	100.2631	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20876	100.2577	MORISNT4 138.00 - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20882	100.2508	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20931	100.2486	CLINTON - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.247	GEN599891 1-OKLAUN	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2404	GEN506753 1-LEBROCK GAS 2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20883	100.2372	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20955	100.2371	OGE3TERM10	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20907	100.2346	GRAND ISLAND - MCCOOL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2297	GEN300001 1-THOMAS HILL UNIT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20931	100.2253	HYDRO - WEATHERFORD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2241	GEN334458 1-CONOCO UNIT#3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20948	100.2212	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20915	100.2195	MARSHALL - WOODRING 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2156	GEN334282 1-SAM RAYBURN 4	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.215	GEN560118 1-G08-46 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20915	100.2117	COTTONWOOD CREEK - MARSHALL 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20914	100.2115	PUTNAM - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2107	GEN549899 5-JAMES RIVER 5	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20937	100.2107	KNOBHILL - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20915	100.2081	CANTON - TALOGA 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.2051	GEN335640 1-ENCO	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1995	GEN542954 3-MONTROSE UNIT #3	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20931	100.1976	HYDRO - SICKLES 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20882	100.1974	NUNDRWD - WAYSIDE 230KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20865	100.1941	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20914	100.1933	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20841	100.1932	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20914	100.193	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20914	100.1878	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1868	OKLAUNION 345KV SWITCHED SHUNT	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20937	100.1866	HELENA TAP - SALINE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20915	100.1831	CANTON - OKEENE 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1825	GEN506750 1-EASTMAN GENERATION B	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20929	100.1817	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.177	GEN502438 1-DOC BONIN UNIT #2	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20922	100.1768	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1767	GEN502436 1-HARGIS2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1755	GEN338512 1-152KNWRI	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20871	100.1753	MCLEROY - STILLWATER 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1751	GEN560633 1-ASGI-10-05 0.6900	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1722	GEN318009 1-2MOSEL 69 69.000	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1719	GEN338507 1-1C1KNWRI	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1719	GEN338508 1-1C3KNWRI	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1719	GEN338509 1-1C5KNWRI	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20895	100.1708	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1703	GEN542952 1-MONTROSE UNIT #1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20938	100.1679	CIMARRON - EL RENO 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20914	100.1614	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20871	100.1598	LAKEOVER - MCADAMS 500KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20872	100.1589	AI43	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20934	100.1576	JENSEN ROAD - JENSEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.156	GEN505482 1-BEAVER	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20872	100.1512	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1471	GEN505616 1-BROKEN BOW	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20861	100.1463	GEN503305 1-CITY OF HOUMA SUB	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20878	100.1432	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20877	100.1382	EL PASO - FARBER 138KV CKT 1	
FDNS	02G11_021	2	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.51309	102.8345	DBL-HTCH-BVR	
FDNS	02G11_021	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36782	114.6847	DBL-THIS-WWR	
FDNS	02G11_021	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3296	120.6635	DBL-WICH-THI	
FDNS	02G11_021	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29747	100.9511	DBL-FINY-HOL	
FDNS	02G11_021	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28009	100.1898	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02G11_021	2	12G	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21577	104.6394	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.54774	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.54774	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36599	137.7338	DBL-THIS-WWR	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29624	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2909	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2909	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.279	100.7848	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2786	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2786	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2786	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27801	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27801	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27598	104.2693	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27598	104.2301	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27303	109.2528	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27303	108.7863	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.27147	104.2661	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26988	107.6311	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26933	107.5733	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26933	107.1372	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26933	106.7023	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26915	107.4672	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26912	106.3317	BENTON - WICHITA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2678	106.1385	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26763	107.4642	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26763	106.6161	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26745	105.7136	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26745	105.6437	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26732	107.3012	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26732	106.7701	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26708	105.9181	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26708	105.8546	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26706	102.6871	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26703	109.6189	SPP-SWPS-03	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	110.3459	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	108.3395	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	108.3221	SPP-SWPS-02	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	108.3164	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26687	108.0119	SPP-SWPS-02A	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26644	105.8184	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26644	105.7178	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26594	105.566	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26581	104.7673	BENTON - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26556	104.6575	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26534	105.2878	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26534	105.2447	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26525	104.8053	DOVER SW - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26525	104.5704	WOODWARD DISTRICT EHV (WVDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26524	104.5627	WOODWARD DISTRICT EHV (WVDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26522	105.8393	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26507	107.5531	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26505	106.8314	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26505	105.9355	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26505	104.131	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26463	103.8966	OGE3TERM1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26443	103.9665	DOVER SW - HENESSEY 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26443	103.9073	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26443	103.8669	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26442	105.0658	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26442	105.0201	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26438	103.896	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26438	103.8754	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26425	104.4864	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26425	104.3666	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26425	104.0843	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26417	104.308	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26394	104.1049	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26391	104.6505	SPP-MKEC-08
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26376	104.6476	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26369	104.3118	SPP-WEPL-03
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26369	104.3118	SPP-WERE-34
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26369	104.3085	SPP-MKEC-05
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26369	104.2917	SPP-WEPL-03A
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26369	104.1643	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26369	103.8816	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26364	104.398	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26362	104.0313	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26357	104.3192	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26357	103.9855	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26356	104.5556	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26355	104.7225	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26355	104.2642	MOORE - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26348	104.7991	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26346	103.9837	CARNEGIE - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26346	103.9505	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26341	103.0012	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26334	104.8162	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26334	104.3811	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26333	103.8365	OGE3TERM10
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26332	104.0457	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26331	104.3001	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26331	104.2738	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2633	103.7752	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26326	104.3844	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26326	104.2662	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26326	104.224	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26326	104.0166	Canadian Pump Station - JENSEN ROAD 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26323	103.8168	KNOBHILL - SALINE 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26323	103.7875	HELENA TAP - SALINE 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26323	103.7203	GOLTRY - HELENA TAP 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26321	104.1574	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26321	102.6272	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2632	103.9286	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26318	103.7533	CIMARRON - EL RENO 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.9142	CLINTON - G07-32T 138.00 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.8949	CLINTON - WEATHERFORD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.8651	HYDRO - WEATHERFORD 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.8304	HYDRO - SICKLES 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26316	103.7673	BINGER NIJECT - SICKLES 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26312	103.7685	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.3476	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.3207	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.3009	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.2966	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.2879	SPP-SWPS-T54
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.1424	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.1332	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.0407	HOLLIS TAP - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26311	104.0119	CHILDRESS - HOLLIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26309	103.7534	JENSEN ROAD - JENSEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26302	103.7769	OKEENE - WATONGA SW 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26301	103.9503	LAKE PAULINE - RUSSELL 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26297	103.8346	CANTON - TALOGA 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26297	103.8013	CANTON - OKEENE 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26294	103.8103	PUTNAM - TALOGA 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26294	103.7888	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26294	103.7883	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26294	103.7871	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26294	103.7568	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2629	104.1986	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2629	103.9039	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2629	103.7569	MCCOOL - MOORE 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26286	103.9447	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26285	102.7526	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26284	104.564	WRTOD400
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26283	103.7381	MARSHALL - WOODRING 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26283	103.7315	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26282	104.0123	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26282	103.9576	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26281	104.5137	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26279	104.0282	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26276	103.82	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	104.0604	CONWAY SUB - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	104.0556	NICHOLS STATION - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	103.995	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26273	103.9825	SPP-SWPS-T53
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2627	103.1494	SPP-WERE-07
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2627	103.1162	OGE3TERM7
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2627	102.9827	SPP-WERE-07B
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26269	103.1336	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26269	103.0421	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26269	103.042	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26261	103.9061	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2626	103.8466	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26259	103.1423	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26258	103.8803	BROOKLINE - MORGAN 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26255	103.7749	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26255	103.7122	MCADAMS - WOLF CREEK 500KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26254	103.7434	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26254	103.7233	CHISHOLM - MAIZE 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26254	102.0763	DBL-THIS-CLR
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26252	102.9629	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2625	103.7563	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2625	103.7509	STEGALL - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26248	103.7401	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26247	103.9436	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26247	103.7823	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26247	103.7757	AI43
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26247	103.7715	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26246	104.9416	LACYGNE - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26244	102.7584	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26243	102.9679	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26243	102.9647	AMRN_OUTSS

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26242	102.8196	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26241	103.9192	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2624	103.8247	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2624	103.7319	KCPL-OPGD06A	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26239	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26239	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	110.4511	GEN336821 1-GRAND GULF UNIT	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	109.9425	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	109.5694	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	109.0677	GEN335831 1-RIVERBEND UNIT#1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	108.5684	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	107.8155	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	107.6395	GEN501801 1-DOLET HILLS UNIT1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	107.5807	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	107.514	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	107.4369	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.9723	GEN520947 1-HUGO1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.9662	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.9658	GEN514806 1-SOONER UNIT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.9292	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.8507	GEN501813 1-RODEMACHER UNIT 3	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.809	GEN337041 1-GERALD ANDRUS	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.8081	GEN509416 1-TURK GENERATION	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.7027	GEN514805 1-SOONER UNIT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.5528	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.4405	GEN336831 1-BAXTER WILSON SES	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.4152	GEN501812 1-RODEMACHER UNIT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.3717	GEN335206 1-NELSON UNIT 6	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.3683	GEN338388 1-1PLUMPT 23.000	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.2741	GEN509406 1-WELSH #3	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.274	GEN509405 1-WELSH #2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.2739	GEN509404 1-WELSH #1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.265	GEN515042 1-SEMINOLE 3G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.2365	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.236	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.2125	GEN335204 1-NELSON UNIT 4	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.1983	GEN512688 2-GRDA1 GSU2 22	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.1849	GEN334440 1-SABINE UNIT 4	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	106.066	GEN509394 1-FLINT CREEK	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.9573	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.8589	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.8064	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.8057	GEN334441 1-SABINE UNIT 5	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.7618	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.6393	GEN512689 1-GRDA1 GSU1 22	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.5164	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.4381	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.388	GEN515041 1-SEMINOLE 2G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.3763	GEN562010 1-G11_024_3 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.3302	GEN560175 1-G07-44 0.5750	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	105.0646	GEN336170 1-GULF OXY U4	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.989	GEN515040 1-SEMINOLE 1G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.9197	GEN515449 1-CRSRDW11 34.500	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.9178	GEN514910 2-REDBUD GEN	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.9178	GEN514911 2-REDBUD GEN	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.8708	GEN514942 2-REDBUD4G	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.8672	GEN300006 1-NEW MADRID UNIT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.8588	GEN300007 1-NEW MADRID UNIT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.7891	GEN334070 1-LEWIS CREEK 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.765	GEN334071 1-LEWIS CREEK 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.7402	GEN560648 1-G07-21 0.5750	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.7359	GEN514905 1-REDBUD3S	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.7347	GEN514899 1-REDBUD1S	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.7102	GEN514900 1-REDBUD2S	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.6344	GEN501823 1-TECHE UNIT 3	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.6022	GEN511938 1-OEC STEAM # 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.5954	GEN334432 1-SABINE UNIT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.5953	GEN334431 1-SABINE UNIT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.5203	GEN501910 1-ACADIA UNIT ST1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.5089	GEN549893 2-SOUTHWEST 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4736	GEN334030 1-FRONTIER UNIT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4736	GEN334031 1-FRONTIER UNIT 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4585	GEN560636 1-ASGI-10-06 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4541	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4541	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4441	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.4055	GEN505432 1-SIKESTON
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.3661	GEN318007 1-5MOROW161 161.00
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.3288	GEN337428 1-PERVILLE UNIT #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.3288	GEN337430 1-PERVILLE UNIT #3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.3046	GEN337429 1-PERVILLE UNIT #2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.3032	GEN337432 1-PERVILLE UNIT #5
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2909	GEN337125 6-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2824	GEN337006 1-DUKE MCADAMS G1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2824	GEN337007 1-DUKE MCADAMS G2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2819	GEN335203 1-NELSON UNIT 3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2752	GEN515266 1-AES 1G
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2752	GEN515267 1-AES 2G
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2645	GEN337008 1-DUKE MCADAMS S1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2548	GEN547649 1-ASBURY UNIT #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.247	GEN501911 1-ACADIA UNIT CT1A
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.247	GEN501912 1-ACADIA UNIT CT1B
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2382	GEN336167 1-GULF OXY U1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2382	GEN336168 1-GULF OXY U2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2382	GEN336169 1-GULF OXY U3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2352	GEN336944 1-REX BROWN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2324	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2324	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2286	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.219	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2176	GEN542955 1-LACYGNE UNIT #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2101	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2074	GEN335075 1-DYNEGY#1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2074	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2057	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.2056	GEN335570 1-CARVILLE CTG
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.1866	GEN335572 1-CARVILLE STG
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.178	GEN560687 1-G11-007 0.5750
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.1711	GEN338500 1-MCCLELLAN UNIT #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.1702	GEN560323 1-G10-40 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.1638	GEN520812 1-ANADRK5
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.1637	GEN514912 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0973	GEN511851 1-COMANCHE #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0826	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0649	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0319	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0312	GEN335201 1-NELSON UNIT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0228	GEN520813 1-ANADRK6
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0171	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	104.0034	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9954	GEN334456 1-CONOCO UNIT#1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9917	GEN338510 1-151KNWRI
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9917	GEN338511 1-1C7KNWRI
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9867	GEN520811 1-ANADRK4
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9857	GEN503900 1-FITZHUGH CT1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9677	GEN511843 1-RIVERSIDE STATION #2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9637	GEN335202 1-NELSON UNIT 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9567	GEN506749 1-EASTMAN GENERATION A
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9496	GEN509409 1-WILKES #3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9374	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9287	GEN560169 1-G08-13 0.5750
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9085	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9082	GEN337124 5-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.9031	GEN547656 1-STATE LINE UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8844	GEN335137 C4-PPG
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8824	GEN300016 1-1G1GPDEL 18.000
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8824	GEN300017 1-1G2GPDEL 18.000
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.879	GEN509408 1-WILKES #2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8754	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8715	GEN521214 1-BLUCAN2 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8634	GEN511852 1-COMANCHE #2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8537	GEN334467 1-DUPONT UNIT#1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8518	GEN511853 1-COMANCHE #3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8511	GEN500915 3-WESTERN KRAFT
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8349	GEN334335 1-TOLEDO BEND
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.8213	GEN335546 3-DOW COGEN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.797	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.797	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7947	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7947	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7947	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7947	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7869	GEN335644 1-EXXON UNITS
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7685	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.765	GEN560118 1-G08-46 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.7647	GEN337054 1-GREENWOOD
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.4381	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.4378	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.4377	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.4337	BASE CASE
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.4337	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.2979	GEN599891 1-OKLAUN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.1603	GEN560694 1-G11-008-2 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.1601	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.1061	GEN560238 1-G10-09 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0913	GEN531493 1-CNTRLPLWG1 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.09	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0896	GEN523815 1-LLANO ESTACADO WIND GEN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0811	GEN523160 1-DWS FRISCO
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0811	GEN539945 1-FLATRWWDWG1 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0783	GEN524485 1-CAPROCK WIND GEN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0746	GEN560432 1-G08-124 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0718	GEN560659 1-G07-38 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0695	GEN560356 1-G10-53 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0693	GEN560693 1-G11-008-1 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0633	GEN562035 1-G11_016_3 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0542	GEN560549 1-G06-06 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0421	GEN560180 1-G07-51 0.6000
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0421	GEN560209 1-G07-40 0.5750
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0272	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	103.0081	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.9837	GEN562032 1-G11_017_3 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.9829	GEN560522 1-G05-12 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.9747	GEN515364 1-CENT 11 0.6000
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.9367	GEN522814 1-LUBBOCK POWER & LIGHT-MACKENZIE GEN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.9199	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.9147	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.8917	GEN560173 1-G08-17 0.5750
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.8835	GEN562014 1-G11_023_3 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.8722	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.8545	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.8225	GEN515393 1-OGEWND2G
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.6946	GEN560170 1-G08-16 34.500
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.6933	GEN560595 1-G06-47 0.6000
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.6921	GEN560592 1-G06-45 0.6000
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.5838	GEN560279 1-G08-18 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.5241	GEN560105 1-G08-22 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.5013	GEN560221 1-G07-62-1 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.5013	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.484	GEN560223 1-G07-62-3 0.6900
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.484	GEN560224 1-G07-62-4 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.4699	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.4378	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.3919	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.3771	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.3418	GEN560359 1-G08-51 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.2814	GEN560187 1-G10-07 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.2562	GEN523926 1-MAJESTIC WIND	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.2106	GEN560166 1-G07-48 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.1479	GEN562023 1-G11_020_3 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.1479	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	102.0098	GEN523195 1-Hansford County Switch Station	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.9579	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.9577	GEN523462 1-BLACKHAWK GEN #2	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	101.5994	GEN562049 1-G11_012_3 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	100.8647	GEN560585 1-G06-44-2 0.6000	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	100.5014	GEN526331 1-JONES GEN #1 22 KV	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	100.4946	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	100.0555	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26235	100.0555	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26234	103.1484	DOLET HILLS 345/230KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26233	103.7678	CRAIG - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2623	103.0325	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26228	103.0166	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26226	103.1352	ARKANSAS NUCLEAR ONE - MABELVALE 500 500KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26225	102.8892	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26224	102.8714	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26222	102.9833	LACYGNE - STILWELL 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26219	103.9379	TOLK STATION EAST - TUCO INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26214	103.017	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26212	102.9161	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26211	102.7587	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2621	103.8216	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26207	102.9713	GRDA-OPGD-05	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26202	103.7652	NORTHEAST STATION - TULSA NORTH 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26174	103.0743	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26174	103.0738	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26148	104.0905	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26143	103.9229	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26141	103.0441	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26125	102.8507	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26104	104.4089	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26104	103.8824	GRACEMONT - MINCO 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26103	102.4879	CLEVELAND - SOONER 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26072	103.1135	SOONER - WOODRING 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2607	102.8806	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26038	102.7547	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25983	101.8128	REDBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25897	101.7541	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25732	102.4504	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25675	102.7555	MATTHEWSON 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23861	102.8524	DBL-THIS-WWR	
FDNS	02ALL	2	12G	G11_021	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.21786	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.21786	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	12G	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21582	114.0742	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21217	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21217	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2	12G	G11_021	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.20013	155.4818	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2	12G	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.22381	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	3	2	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25248	100.6852	DBL-WICH-THI	
FDNS	2	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.36797	112.6262	DBL-THIS-WWR	
FDNS	2	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.3297	118.6835	DBL-WICH-THI	
FDNS	2	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28021	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	2	2	12G	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.21575	103.6827	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	1	2	12G	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.22116	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	1	2	12G	G11_021	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.22316	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2	12G	G11_021	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.22316	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	3	2	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.25248	100.6852	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	3	12G	G11_021	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.54725	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_021	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.54725	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	3	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.23739	103.3402	DBL-THIS-WWR
FDNS	02ALL	3	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21137	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_021	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.21137	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	4	12G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22104	111.6575	DBL-WICH-THI
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.0333	110.1081	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03306	109.4439	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03065	106.5738	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_021	FROM->TO	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	1328	0.248	117.809	DBL-BVR-WWRD
FDNS	02NR	3	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.2031	101.9096	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.20157	101.1843	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.19787	104.5353	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	00NR	2	17WP	G11_021	FROM->TO	LAWEASOKLUNI	425	0.16389	102.6	BASE CASE
FDNS	02NR	4	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16385	109.7988	DBL-BVR-WWRD
FDNS	00NR	3	17WP	G11_021	FROM->TO	LAWEASOKLUNI	425	0.16123	101.6	BASE CASE
FDNS	00NR	4	12WP	G11_021	FROM->TO	LAWEASOKLUNI	425	0.16005	102.6	BASE CASE
FDNS	00NR	2	12WP	G11_021	FROM->TO	LAWEASOKLUNI	425	0.15874	103.9	BASE CASE
FDNS	02NR	3	12G	G11_021	FROM->TO	LAWEASOKLUNI	425	0.15735	126	BASE CASE
FDNS	00NR	3	12WP	G11_021	FROM->TO	LAWEASOKLUNI	425	0.15691	102	BASE CASE
FDNS	02NR	2	12G	G11_021	FROM->TO	LAWEASOKLUNI	425	0.15637	127.6	BASE CASE
FDNS	02NR	3	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13933	114.5991	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	3	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13933	110.912	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	4	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13828	113.8119	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	4	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13828	110.5612	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13583	112.6223	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.13583	109.6134	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.12247	115.8707	DBL-THIS-WWR
FDNS	02NR	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.11322	121.9385	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10816	100.7063	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10759	107.1262	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10669	109.703	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10675	109.8838	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17SP	G11_021	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10671	117.3272	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17WP	G11_021	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10612	121.8174	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_021	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10557	126.1801	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	3	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10357	101.8185	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10357	101.7142	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10357	100.8213	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10357	100.8076	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10272	102.4574	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10272	102.2211	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10272	101.5274	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10272	101.4353	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.10211	102.233	DBL-FINY-HOL
FDNS	02NR	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.10211	100.4888	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	00NR	2	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	102.0684	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	101.9642	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	101.0703	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.10116	101.0561	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_021	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.10082	105.3344	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.10002	120.8991	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.08134	100	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_021	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.0777	101.6	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07198	132.2325	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.07198	132.2325	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0715	130.9086	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0715	130.9086	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.05339	131.8545	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.05339	131.8545	DBL-HTCH-BVR
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04624	101.782	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04624	101.5804	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04587	145.8234	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04585	128.7682	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04573	104.0257	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04573	103.9016	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04531	148.0577	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04528	130.9194	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04293	100.4691	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04293	100.2656	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04258	145.7817	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04254	128.7393	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04248	162.9021	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04248	162.8442	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04247	103.0187	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04247	102.8928	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04219	161.8642	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04219	161.8074	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04204	148.1131	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.04197	130.9549	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04196	248.5535	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.04196	138.5378	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04194	248.5616	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.04194	138.5424	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0415	101.7442	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0415	101.023	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04061	102.736	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04061	102.5407	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04021	105.1232	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04021	105.0023	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04003	162.4277	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03995	156.987	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03995	156.9357	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03976	161.2752	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03964	100.5531	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03845	103.078	DBL-THIS-WWR	
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03841	147.5029	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03839	128.6336	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.03802	108.2996	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.03802	100.671	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03798	107.5654	DBL-THIS-WWR	
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03797	149.5653	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03793	130.9652	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03791	238.5634	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	4	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03791	133.1997	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03747	101.0664	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03747	100.3526	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03726	156.1559	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03725	101.6844	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03725	100.784	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03722	121.9639	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03722	120.409	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03712	102.9984	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03712	102.2806	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	154.9649	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03696	102.5751	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03696	101.7036	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03689	124.0479	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03689	122.4996	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03675	153.8639	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03593	106.3404	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03589	130.3631	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03589	110.3262	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03579	107.0254	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03569	133.5062	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03569	114.0066	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03526	110.2181	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03525	110.2203	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03522	113.7034	DBL-WICH-THI	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0352	130.8669	DBL-WICH-THI	
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03505	117.9939	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.709	DBL-WICH-THI	
FDNS	02NR	2	12G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03498	101.4598	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03482	101.744	DBL-THIS-WWR	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02NR	3	12G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03474	100.8345	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03463	201.424	DBL-THIS-WWR	
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03463	112.9912	DBL-THIS-WWR	
FDNS	00NR	3	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03446	100.4505	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03444	120.3931	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03444	118.8314	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03439	200.1155	DBL-THIS-WWR	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03439	193.9326	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03439	192.9318	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03439	112.2786	DBL-THIS-WWR	
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03439	108.7104	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03439	108.1768	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03435	106.3503	DBL-THIS-WWR	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03434	108.2022	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03434	108.2022	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	00NR	3	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03415	101.2966	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03415	100.4266	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03412	192.4752	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03412	191.4755	DEWEY - IODINE 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03412	107.9194	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03412	107.3865	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0341	122.5975	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0341	121.0774	DEWEY - IODINE 138KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03397	110.6715	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03397	110.6715	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0333	196.2819	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0333	184.2444	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.0333	103.3433	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03327	105.2939	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03325	129.0135	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03325	109.0016	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03309	105.9487	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03306	195.0584	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03306	182.4684	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03306	102.4656	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03303	132.2942	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03303	112.7924	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03277	102.5651	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03277	102.5651	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03272	209.4596	DBL-WICH-THI	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03272	129.5966	DBL-WICH-THI	
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03272	117.4432	DBL-WICH-THI	
FDNS	00NR	3	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03272	112.6897	DBL-WICH-THI	
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0327	149.3034	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	00NR	3	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03253	116.9643	DBL-WICH-THI	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03251	137.5802	DBL-WICH-THI	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0325	208.2763	DBL-WICH-THI	
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.0325	116.8004	DBL-WICH-THI	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03245	106.0995	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03245	106.0995	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03239	100.8838	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03239	100.2114	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03216	100.2506	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03202	103.8493	GEN520998 1-MORLND3	
FDNS	00NR	2	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03202	102.301	GEN520997 1-MORLND2	
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.3307	BENTON - WICHITA 345KV CKT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	130.9564	GEN520998 1-MORLND3	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	128.6883	GEN520997 1-MORLND2	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	107.5829	BASE CASE	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	102.0342	GEN514805 1-SOONER UNIT 1	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	101.4424	GEN336821 1-GRAND GULF UNIT	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	100.8124	GEN336153 1-WATERFORD UNIT#3	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	100.6061	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03198	100.3515	GEN560180 1-G07-51 0.6000	
FDNS	00NR	2	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03194	105.7923	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03185	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03185	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FDNS	02NR	4	12G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	308	0.03184	104.7631	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	4	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03183	102.032	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	4	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03183	101.1351	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0318	123.3644	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0318	121.8118	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0318	102.1462	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03175	104.421	GEN520998 1-MORLND3
FDNS	00NR	2	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03175	102.8754	GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	128.7832	GEN520998 1-MORLND3
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	126.8149	GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	110.5742	BASE CASE
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	103.1221	GEN514805 1-SOONER UNIT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.9995	GEN560180 1-G07-51 0.6000
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.6706	GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.1524	GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	102.1157	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	101.385	GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	101.1286	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.8722	GEN514806 1-SOONER UNIT 2
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.4658	GEN501801 1-DOLET HILLS UNIT1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.2921	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.2164	GEN515042 1-SEMINOLE 3G
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.1877	GEN509403 1-PIRKEY GENERATION
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03166	100.1516	GEN509416 1-TURK GENERATION
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03165	178.5215	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03165	178.5215	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03165	100.7982	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03165	100.7982	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	4	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0316	103.0818	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	4	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0316	102.2135	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03157	186.5957	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03157	185.6025	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	4	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03157	104.8565	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	4	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03157	104.3275	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03155	110.2545	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03153	125.3354	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03153	123.8178	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03149	177.7379	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03149	177.7379	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03149	100.3716	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	3	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03149	100.3716	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03137	167.69	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03136	150.9672	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03119	166.8028	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03117	149.9498	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03095	171.3319	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03095	171.3319	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	00NR	4	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03079	106.8368	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03075	163.0611	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03075	162.3842	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03075	162.3822	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03075	131.8738	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03075	111.8601	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03073	170.2141	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03073	170.2141	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	00NR	4	17WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03069	114.0488	DBL-WICH-THI
FDNS	00NR	4	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03068	131.9972	DBL-WICH-THI
FDNS	00NR	4	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03068	107.6838	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03065	189.5543	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03065	177.53	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0306	134.9426	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0306	115.4351	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	4	12WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03057	118.6786	DBL-WICH-THI
FDNS	02NR	4	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03055	203.7416	DBL-WICH-THI
FDNS	02NR	4	12G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03055	114.4748	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03054	161.9881	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03054	161.312	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03054	161.31	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03054	152.3817	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03054	152.1499	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03054	139.9333	DBL-WICH-THI	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03038	101.3931	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	3	17SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03038	101.3931	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03037	176.9778	DBL-FINY-HOL	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03037	174.504	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03037	166.3189	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03034	151.3627	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03034	151.1304	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03031	157.2093	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03031	157.0773	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03031	156.6667	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0303	171.2696	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0303	171.2696	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0303	164.8684	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0303	163.4761	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	00NR	4	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03028	100.1059	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03026	163.4465	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03026	162.4698	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03017	175.9611	DBL-FINY-HOL	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03017	173.493	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03017	165.2923	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03015	163.1217	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03012	163.9594	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03012	162.5577	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03011	156.1708	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03011	156.0385	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03011	155.6269	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0301	100	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03009	170.1898	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03009	170.1898	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03006	105.0456	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	00NR	3	12SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03006	105.0456	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03005	162.3893	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02NR	3	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03005	161.4133	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02NR	2	12G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03	164.2861	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	
FNSL-Blown up	2	0	12G	G11_022		Non Converged Contingency	0	0.52044	-	DBL-HTCH-BVR	
FNSL-Blown up	2	0	12G	G11_022		Non Converged Contingency	0	0.52044	-	DBL-BVR-WWRD	
FNSL-Blown up	2	2	12G	G11_022		Non Converged Contingency	0	0.53088	-	DBL-HTCH-BVR	
FNSL-Blown up	2	3	12G	G11_022		Non Converged Contingency	0	0.53033	-	DBL-BVR-WWRD	
FNSL-Blown up	01ALL	0	12G	G11_022		Non Converged Contingency	0	0.21593	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	G11_022		Non Converged Contingency	0	0.22652	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	G11_022		Non Converged Contingency	0	0.51867	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	0	12G	G11_022		Non Converged Contingency	0	0.51867	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	0	12G	G11_022		Non Converged Contingency	0	0.22799	-	DBL-FINY-HOL	
FNSL-Blown up	02G11_022	0	12G	G11_022		Non Converged Contingency	0	0.51989	-	DBL-BVR-WWRD	
FNSL-Blown up	3	0	12G	G11_022		Non Converged Contingency	0	0.2275	-	DBL-WICH-THI	
FNSL-Blown up	06ALL	0	12G	G11_022		Non Converged Contingency	0	0.17418	-	DBL-HTCH-BVR	
FNSL-Blown up	01ALL	0	12G	G11_022		Non Converged Contingency	1195	0.1936	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_022		Non Converged Contingency	1052	0.22799	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_022		Non Converged Contingency	1324	0.0603	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_022		Non Converged Contingency	1195	0.1936	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	0	0.52178	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	0	0.52178	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	0	0.22591	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1195	0.1875	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	717	0.04065	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	717	0.07179	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1195	0.1875	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.06566	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1195	0.04468	-	GEN542962 2-IATAN UNIT #2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATE		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.11296	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	956	0.03974	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	559	0.12823	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1328	0.07712	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.06566	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1328	0.08224	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1324	0.0637	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.04863	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	956	0.05624	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1052	0.0637	-	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	956	0.05159	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1052	0.0637	-	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.26089	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	1792	0.26089	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_022		Non Converged Contingency	0	0.34706	-	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FNSL-Blown up	02G11_022	2	12G	G11_022		Non Converged Contingency	0	0.53032	-	DBL-BVR-WWRD	
FNSL-Blown up	02G11_022	2	12G	G11_022		Non Converged Contingency	0	0.22354	-	DBL-FINY-HOL	
FNSL-Blown up	02G11_022	2	12G	G11_022		Non Converged Contingency	0	0.10529	-	SPP-SWPS-02A	
FNSL-Blown up	02G11_022	2	12G	G11_022		Non Converged Contingency	351	0.0351	-	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_022		Non Converged Contingency	0	0.52905	-	DBL-HTCH-BVR	
FNSL-Blown up	02ALL	2	12G	G11_022		Non Converged Contingency	0	0.52905	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	2	12G	G11_022		Non Converged Contingency	0	0.22234	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G11_022		Non Converged Contingency	1052	0.22234	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_022		Non Converged Contingency	0	0.20707	-	DBL-WICH-THI	
FNSL-Blown up	2	2	12G	G11_022		Non Converged Contingency	0	0.53088	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1195	0.18474	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1195	0.18474	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1792	0.05524	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1792	0.04523	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1328	0.07923	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1328	0.07421	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	717	0.06915	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1195	0.04782	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1792	0.05524	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1051	0.04662	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1195	0.04782	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1792	0.1028	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1792	0.1028	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	956	0.03747	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	956	0.05417	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	717	0.03863	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	0	0.20561	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	0	0.51828	-	DBL-HTCH-BVR	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	0	0.51828	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	2	12G	G11_022		Non Converged Contingency	1324	0.06273	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_022		Non Converged Contingency	1052	0.22159	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_022		Non Converged Contingency	0	0.20604	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_022		Non Converged Contingency	0	0.52848	-	DBL-BVR-WWRD	
FNSL-Blown up	02ALL	3	12G	G11_022		Non Converged Contingency	0	0.22159	-	DBL-FINY-HOL	
FNSL-Blown up	02G11_022	3	12G	G11_022		Non Converged Contingency	0	0.52976	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	3	12G	G11_022		Non Converged Contingency	1792	0.04967	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_022		Non Converged Contingency	0	0.19442	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_022		Non Converged Contingency	0	0.207	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_022		Non Converged Contingency	0	0.44222	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	4	12G	G11_022		Non Converged Contingency	0	0.03342	-	DBL-THIS-CLR	
FNSL-Blown up	02NR	2	12G	G11_022		Non Converged Contingency	0	0.30291	-	DBL-BVR-WWRD	
FNSL-Blown up	02NR	3	12G	G11_022		Non Converged Contingency	0	0.30387	-	DBL-BVR-WWRD	
FNSL	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	124.7714	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19406	124.7089	SPP-WERE-07C	
FNSL	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	113.2862	GEN336153 1-WATERFORD UNIT#3	
FNSL	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.29971	127.0219	DBL-WICH-THI	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23614	104.0475	SWISHER COUNTY INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23566	104.0029	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.0774	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.0195	SPP-WERE-07C	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.8493	GEN523277 1-VALERO SUB	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.3372	GEN560584 1-G06-44-1 0.6000	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.8321	GEN527162 1-MUSTANG GEN #2	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.4316	GEN527161 1-MUSTANG GEN #1	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.338	GEN527902 1-HOBBS PLANT #2 (CT)	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.3231	GEN527901 1-HOBBS PLANT #1 (CT)	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.0465	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FNSL	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	100.301	GEN527903 1-HOBBS PLANT #3 (ST)	
FNSL	01ALL	2	12G	G11_022	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.20168	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01ALL	2	12G	G11_022	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.20168	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23674	104.5	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23566	104.1	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2353	103.8	NORTH MEMPHIS REC - NW MEMPHIS 69KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2353	103.8	MEMPHIS - NW MEMPHIS 69KV CKT 1	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2353	103.8	SPP-AEPW-25	
FDNS-CHECK-TC-I	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.7	GEN524286 1-CLR 3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21429	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21429	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21381	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.27057	136.9326	DBL-THIS-WWR	
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26375	135.5058	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	134.7719	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	134.0026	GEN336153 1-WATERFORD UNIT#3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20678	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20678	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	133.3152	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19958	132.9655	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24904	132.8871	DBL-WICH-THI	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2308	132.853	DBL-FINY-HOL	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	132.814	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	131.9628	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20011	131.8818	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20011	131.831	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2308	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	131.0805	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	130.9163	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	130.8369	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21381	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	130.6086	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	130.5303	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2308	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.8586	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20193	129.8511	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.8409	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21381	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.7529	GEN337041 1-GERALD ANDRUS	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.6935	GEN501813 1-RODEMACHER UNIT 3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.5467	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.4255	GEN520947 1-HUGO1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.4166	GEN509403 1-PIRKEY GENERATION	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.386	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.3847	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.3437	GEN338388 1-1PLUMPT 23.000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.2298	GEN560323 1-G10-40 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.2206	GEN336831 1-BAXTER WILSON SES	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.1796	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.1255	GEN501812 1-RODEMACHER UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	129.0854	GEN335206 1-NELSON UNIT 6	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.9622	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.9615	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.877	GEN335204 1-NELSON UNIT 4	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.8222	GEN334440 1-SABINE UNIT 4	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.8037	GEN515042 1-SEMINOLE 3G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19958	128.7551	DEWEY - SOUTHDARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19802	128.6482	G11-17T 345.00 - POST ROCK 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.6306	GEN515040 1-SEMINOLE 1G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.5674	GEN509406 1-WELSH #3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.5673	GEN509404 1-WELSH #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.5673	GEN509405 1-WELSH #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.4899	GEN512688 2-GRDA1 GSU2 22	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19782	128.4488	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.4114	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19782	128.3815	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19699	128.3701	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.3279	GEN334441 1-SABINE UNIT 5	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.3217	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19958	128.3098	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20098	128.294	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19699	128.2715	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.2203	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19802	128.1858	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20036	128.1808	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.1754	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.1178	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	128.0517	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	127.8444	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.8298	GEN512689 1-GRDA1 GSU1 22	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20193	127.7925	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19981	127.7473	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.6862	GEN515041 1-SEMINOLE 2G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.588	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1961	127.5366	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1961	127.5165	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19462	127.4217	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.4095	GEN336170 1-GULF OXY U4	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19462	127.4013	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.2846	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.2765	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1967	127.2491	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.1934	GEN514911 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.1933	GEN514910 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	127.1321	GEN514942 2-REDBUD4G	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19601	127.075	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19903	127.0696	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20022	127.0195	SPP-SWPS-03	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.9818	GEN334070 1-LEWIS CREEK 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.9516	GEN514905 1-REDBUD3S	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.9513	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.9503	GEN514899 1-REDBUD1S	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.9179	GEN514900 1-REDBUD2S	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19999	126.9089	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19413	126.8718	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.8517	GEN542956 2-LACYGNE UNIT #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.8505	GEN542955 1-LACYGNE UNIT #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19689	126.8356	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.8235	GEN501823 1-TECHE UNIT 3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20238	126.7597	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.7456	GEN334432 1-SABINE UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.7455	GEN334431 1-SABINE UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.723	GEN542962 2-IATAN UNIT #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19741	126.6892	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.6639	GEN501910 1-ACADIA UNIT ST1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.6504	GEN549893 2-SOUTHWEST 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.6374	GEN505432 1-SIKESTON	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.5928	GEN511938 1-OEC STEAM # 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19545	126.5819	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.5502	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.5416	GEN334030 1-FRONTIER UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.5416	GEN334031 1-FRONTIER UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19457	126.5378	CIMARRON - MINCO 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.5061	GEN318007 1-5MOROW161 161.00
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.5016	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.476	GEN560636 1-ASGI-10-06 0.6900
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19577	126.4522	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4469	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4469	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4351	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4126	GEN542951 5-HAWTHORN UNIT #5
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19577	126.412	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19486	126.4113	SPP-MKEC-08
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4078	GEN337125 6-LS POWER BATESVILLE
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4071	GEN560706 1-G11-010 0.6900
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4004	GEN337428 1-PERYVILLE UNIT #1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.4004	GEN337430 1-PERYVILLE UNIT #3
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3997	GEN337006 1-DUKE MCADAMS G1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3997	GEN337007 1-DUKE MCADAMS G2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3977	GEN515266 1-AES 1G
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3977	GEN515267 1-AES 2G
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3691	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.369	GEN337429 1-PERYVILLE UNIT #2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3688	GEN337432 1-PERYVILLE UNIT #5
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3669	GEN337008 1-DUKE MCADAMS S1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.198	126.3641	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19474	126.3551	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3415	GEN335203 1-NELSON UNIT 3
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19459	126.3398	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19396	126.3236	LACYGNE - NEOSHO 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19532	126.3202	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3176	GEN547649 1-ASBURY UNIT #1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19408	126.3168	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20238	126.3152	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.308	GEN336944 1-REX BROWN
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.304	GEN501911 1-ACADIA UNIT CT1A
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.304	GEN501912 1-ACADIA UNIT CT1B
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.3003	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2901	GEN336167 1-GULF OXY U1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2901	GEN336168 1-GULF OXY U2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2901	GEN336169 1-GULF OXY U3
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2831	GEN560623 1-ASGI-10-01 0.6000
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19745	126.2704	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	126.2684	WRTOD400
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2648	GEN334392 1-EXXON MOBIL IPP 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19476	126.2643	CIRCLE - MULLEREGREN 230KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2561	GEN300003 1-THOMAS HILL UNIT 3
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1944	126.253	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	126.2478	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2473	GEN335570 1-CARVILLE CTG
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2473	GEN335571 1-CARVILLE UNIT #1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	126.2456	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	126.245	SPP-SWPS-02
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2316	GEN335075 1-DYNEGY#1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2316	GEN335076 1-DYNEGY UNIT2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1944	126.2242	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19402	126.2226	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2225	GEN335572 1-CARVILLE STG
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1947	126.2162	MULLEREGREN - SPEARVILLE 230KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19745	126.2148	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2071	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2054	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19691	126.2053	BENTON - ROSE HILL 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.205	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19532	126.2024	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2014	GEN514912 2-REDBUD GEN
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.2012	GEN338500 1-MCCLELLAN UNIT #1
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.1973	GEN645011 1-NEBRASKA CITY 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19999	126.1827	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19527	126.1806	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.1791	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.1791	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19543	126.1774	OGE3TERM1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.1509	GEN506752 1-LEBROCK GAS 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19527	126.1317	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19408	126.1214	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19527	126.0986	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19479	126.0825	AXTELL - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19675	126.0666	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.0606	GEN520812 1-ANADRK5	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.0591	GEN337954 1-LYNCH UNIT #3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19476	126.0504	SPP-WEPL-03	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19476	126.0504	SPP-WERE-34	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.0485	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19476	126.0451	SPP-MKEC-05	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.0344	GEN338513 1-BAILEY UNIT #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19476	126.031	SPP-WEPL-03A	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.0222	GEN549890 1-SOUTHWEST 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.0167	GEN335201 1-NELSON UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	126.003	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9951	GEN520813 1-ANADRK6	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9751	GEN338510 1-1S1KNWRI	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9751	GEN338511 1-1C7KNWRI	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	125.9694	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9667	GEN334456 1-CONOCO UNIT#1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20001	125.9537	SPP-SWPS-02A	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19455	125.9489	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19459	125.943	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1941	125.9427	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19532	125.9408	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19473	125.9408	MOORE - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9305	GEN511851 1-COMANCHE #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.92	GEN335202 1-NELSON UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	125.9178	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9071	GEN520811 1-ANADRK4	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19476	125.9068	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.9029	GEN503900 1-FITZHUGH CT1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8963	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8882	GEN546702 1-NM GEN N1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8873	GEN337124 5-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.88	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8721	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.862	GEN300016 1-1G1GPDEL 18.000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.862	GEN300017 1-1G2GPDEL 18.000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8589	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8525	GEN506749 1-EASTMAN GENERATION A	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8444	GEN509409 1-WILKES #3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8414	GEN547656 1-STATE LINE UNIT #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19478	125.8391	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19403	125.8367	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19438	125.8363	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19474	125.8183	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.818	GEN335137 C4-PPG	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19403	125.8157	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19403	125.8148	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19403	125.8113	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.8109	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19458	125.7965	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19449	125.7934	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19433	125.7864	KNOBHILL - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19441	125.7814	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7807	GEN334467 1-DUPONT UNIT#1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19403	125.7786	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7673	GEN500915 3-WESTERN KRAFT	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19456	125.7617	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19433	125.7576	HELENA TAP - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7553	GEN599891 1-OKLAUN	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7506	GEN334335 1-TOLEDO BEND	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19456	125.7444	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19634	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7428	GEN335546 3-DOW COGEN	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19412	125.7421	CANTON - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19427	125.7411	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19456	125.7383	MCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7274	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7274	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7274	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7274	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7266	GEN521214 1-BLUCAN2 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19478	125.7244	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19403	125.7218	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7171	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7116	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7116	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7109	GEN560169 1-G08-13 0.5750	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19412	125.7045	CANTON - OKEENE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.7043	GEN335644 1-EXXON UNITS	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19433	125.6945	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19417	125.6916	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.6915	GEN511853 1-COMANCHE #3	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19478	125.6879	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19538	125.6874	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.6865	GEN511852 1-COMANCHE #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19367	125.6846	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.6789	GEN337054 1-GREENWOOD	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19456	125.6786	SPP-SWPS-T54	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19456	125.6776	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19433	125.6767	GOLTRY - IMO 69KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19456	125.6761	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.198	125.6664	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19379	125.648	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19384	125.6258	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.6037	GEN560603 1-G07-06 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19427	125.6019	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.2435	BASE CASE	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	125.2435	NC1_GEN-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19264	125.136	DBL-THIS-CLR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19366	125.0274	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19367	125.0061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.9022	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19389	124.8966	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.89	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.8765	GEN562014 1-G11_023_3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19281	124.8637	SPP-AEPW-01	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19241	124.8617	MUSKOGEE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.8495	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.8428	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.8392	GEN560585 1-G06-44-2 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19406	124.8359	SPP-WERE-07	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19355	124.8277	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	124.8258	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19302	124.8227	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.8216	GEN560173 1-G08-17 0.5750	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19406	124.8097	OGE3TERM7	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19353	124.8094	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19369	124.7894	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19369	124.7782	AMRN_OUTS5	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19433	124.7759	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19341	124.7659	GRDA-OPGD-05	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1938	124.7461	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	124.7408	MIDLINT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19405	124.7407	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.735	GEN560170 1-G08-16 34.500	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.7174	GEN524286 1-CLR_3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19413	124.7117	G11-0077 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6986	GEN560595 1-G06-47 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6976	GEN560592 1-G06-45 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6959	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6959	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19406	124.6792	SPP-WERE-07B	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6645	GEN560586 1-G06-44-3 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19298	124.6641	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6567	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1929	124.6563	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19369	124.6536	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.6414	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19371	124.5907	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.5823	GEN560256 1-G10-14-1 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.5768	GEN560105 1-G08-22 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.5685	GEN560257 1-G10-14-2 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.5672	GEN560279 1-G08-18 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19626	124.5262	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19266	124.5114	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19266	124.511	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.4955	GEN562042 1-G11_014_3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19346	124.4825	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.4771	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	124.4535	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19588	124.4329	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19326	124.4324	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19589	124.4302	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.398	GEN560359 1-G08-51 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19404	124.3903	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.3501	GEN560166 1-G07-48 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1921	124.3446	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.3381	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.3318	GEN560598 1-G06-49 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.3209	GEN560570 1-G06-39 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.198	124.2829	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.2823	GEN562017 1-G11_022_3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.2701	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.2699	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.2587	GEN527162 1-MUSTANG GEN #2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19323	124.2137	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19441	124.1651	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19626	124.1621	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19215	124.1398	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.1373	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.0888	GEN515790 1-FPLWND2	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.0682	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	124.0115	GEN527161 1-MUSTANG GEN #1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.998	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.7633	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19457	123.6981	GRACEMONT - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.6888	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.6781	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.5251	GEN526331 1-JONES GEN #1 22 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.5216	GEN526332 1-JONES GEN #2 21 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.4035	GEN515397 1-OUSPRT 1 34.500	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.2881	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.1076	GEN515364 1-CENT 11 0.6000	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	123.0003	GEN560180 1-G07-51 0.6000	
FDNS	02G11_022	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2434	122.9452	DBL-WICH-THI	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	122.9398	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19121	122.6968	REDBUD - RIVERSIDE STATION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	122.4416	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	122.4201	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	122.4194	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	122.3272	GEN515393 1-OGEWND2G	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	122.2883	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	121.264	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	121.264	GEN560224 1-G07-62-4 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	121.1414	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	121.1414	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	121.1328	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	120.4955	GEN560429 1-G08-29 0.6400	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	120.2863	GEN515450 1-CRSRDW21 34.500	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	120.2672	GEN515449 1-CRSRDW11 34.500	
FDNS	02G11_022	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26485	119.7027	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	118.9958	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	118.9958	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.3009	118.7202	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	116.3503	GEN560648 1-G07-21 0.5750	
FDNS	2	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.24378	115.8542	DBL-WICH-THI	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21235	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.51053	114.7663	DBL-HTCH-BVR	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	113.9892	GEN336821 1-GRAND GULF UNIT	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21312	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21312	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	112.7067	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20525	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	G11_022	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.4482	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_022	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.4482	112.4045	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	112.2585	GEN335831 1-RIVERBEND UNIT#1	
FDNS	2	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.26535	112.2028	DBL-THIS-WWR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	112.059	GEN560175 1-G07-44 0.5750	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	111.9442	GEN562010 1-G11_024_3 0.6900	
FDNS	02G11_022	0	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.51241	111.9	DBL-HTCH-BVR	
FDNS	01ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1936	111.7538	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20525	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	111.4691	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2055	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.2055	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	110.6533	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	110.5045	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	110.4315	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19822	110.3424	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	110.1938	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	110.1359	GEN501801 1-DOLET HILLS UNIT1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22965	109.8276	DBL-FINY-HOL	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19874	109.7284	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19874	109.7102	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.5453	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21235	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.4642	GEN337041 1-GERALD ANDRUS	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.4089	GEN514806 1-SOONER UNIT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.3518	GEN501813 1-RODEMACHER UNIT 3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.2629	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.2486	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	0	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.26375	109.1905	DBL-THIS-WWR	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.1015	GEN514805 1-SOONER UNIT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.0925	GEN520947 1-HUGO1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.0433	GEN515226 1-MUSKOGEE 6G	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.0294	GEN338388 1-1PLUMPT 23.000	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	109.0174	GEN509416 1-TURK GENERATION	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	108.9543	GEN336831 1-BAXTER WILSON SES	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	108.8143	GEN501812 1-RODEMACHER UNIT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	108.7774	GEN335206 1-NELSON UNIT 6	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20057	108.774	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21235	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	108.644	GEN515225 1-MUSKOGEE 5G	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	108.6433	GEN515223 1-MUSKOGEE 4G	
FDNS	02G11_022	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20612	108.5933	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20751	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20751	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22965	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.5798	GEN335204 1-NELSON UNIT 4
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.5274	GEN334440 1-SABINE UNIT 4
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.4996	GEN515042 1-SEMINOLE 3G
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.4123	GEN509406 1-WELSH #3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.4122	GEN509404 1-WELSH #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.4122	GEN509405 1-WELSH #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.3212	GEN512688 2-GRDA1 GSU2 22
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.2359	GEN509394 1-FLINT CREEK
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.1333	GEN560323 1-G10-40 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.092	GEN336801 1-BAXTER WILSON UNIT #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.0576	GEN334441 1-SABINE UNIT 5
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	108.0427	GEN511839 1-NORTHEASTERN STATION #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.9441	GEN511840 1-NORTHEASTERN STATION #3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.8825	GEN511841 1-NORTHEASTERN STATION #4
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19822	107.8219	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20002	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20002	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.6699	GEN512689 1-GRDA1 GSU1 22
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19675	107.6516	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19822	107.4683	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.4413	GEN515041 1-SEMINOLE 2G
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19865	107.4082	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19865	107.4077	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.1965	107.378	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22965	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19567	107.3649	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.3622	GEN560687 1-G11-007 0.5750
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20057	107.3518	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.1965	107.3238	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19567	107.2867	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19675	107.2521	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.186	GEN336170 1-GULF OXY U4
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.1991	107.18	MINGO - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19847	107.1704	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19974	107.1628	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.0935	GEN515040 1-SEMINOLE 1G
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.071	GEN300006 1-NEW MADRID UNIT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	107.0643	GEN300007 1-NEW MADRID UNIT 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.969	GEN514910 2-REDBUD GEN
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.969	GEN514911 2-REDBUD GEN
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.91	GEN514942 2-REDBUD4G
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.9067	GEN515443 1-MNCOWND1 34.500
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19478	106.8179	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19267	106.8101	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19478	106.7877	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7743	GEN334070 1-LEWIS CREEK 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7452	GEN334071 1-LEWIS CREEK 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7406	GEN514905 1-REDBUD3S
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7392	GEN514899 1-REDBUD1S
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7277	GEN542956 2-LACYGNE UNIT #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7262	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19886	106.7243	SPP-SWPS-03
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.7084	GEN514900 1-REDBUD2S
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19645	106.6512	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.6259	GEN542962 2-IATAN UNIT #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.6213	GEN501823 1-TECHE UNIT 3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19544	106.5725	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.5559	GEN334431 1-SABINE UNIT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.5559	GEN334432 1-SABINE UNIT 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.5303	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.5228	GEN549893 2-SOUTHWEST 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19329	106.5186	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19329	106.5047	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19865	106.4868	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.4787	GEN501910 1-ACADIA UNIT ST1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.4531	GEN505432 1-SIKESTON
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	106.4487	GEN511938 1-OEC STEAM # 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19469	106.4439	DOVER SW - OKEENE 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.4057	GEN542957 1-IATAN UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19607	106.4037	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19555	106.4005	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3571	GEN334030 1-FRONTIER UNIT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3571	GEN334031 1-FRONTIER UNIT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19867	106.343	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19776	106.3357	HOLCOMB - SETAB 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3277	GEN645012 2-NEBRASKA CITY 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3245	GEN318007 1-5MOROW161 161.00	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3131	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3131	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3026	GEN542951 5-HAWTHORN UNIT #5	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.3013	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2779	GEN560636 1-ASGI-10-06 0.6900	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2382	GEN337125 6-LS POWER BATESVILLE	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2367	GEN337428 1-PERYVILLE UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2367	GEN337430 1-PERYVILLE UNIT #3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19258	106.2264	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2231	GEN337006 1-DUKE MCADAMS G1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2231	GEN337007 1-DUKE MCADAMS G2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2161	GEN515266 1-AES 1G	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2161	GEN515267 1-AES 2G	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2061	GEN337429 1-PERYVILLE UNIT #2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.2059	GEN337432 1-PERYVILLE UNIT #5	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1995	GEN337008 1-DUKE MCADAMS S1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1787	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1664	GEN335203 1-NELSON UNIT 3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1655	GEN560623 1-ASGI-10-01 0.6000	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1564	GEN547649 1-ASBURY UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1474	GEN645011 1-NEBRASKA CITY 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1453	GEN336944 1-REX BROWN	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1307	GEN501911 1-ACADIA UNIT CT1A	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1307	GEN501912 1-ACADIA UNIT CT1B	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1301	GEN336167 1-GULF OXY U1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1301	GEN336168 1-GULF OXY U2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1301	GEN336169 1-GULF OXY U3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1299	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1296	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.1278	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20105	106.1151	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0956	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0923	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0883	GEN335570 1-CARVILLE CTG	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0883	GEN335571 1-CARVILLE UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0721	GEN335075 1-DYNEGY#1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0721	GEN335076 1-DYNEGY UNIT2	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19412	106.0671	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19444	106.0646	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0642	GEN335572 1-CARVILLE STG	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19865	106.0629	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19865	106.0619	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19611	106.061	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19865	106.0607	SPP-SWPS-02	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19272	106.0515	WRTOD400	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0368	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0368	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0303	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19444	106.0294	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19401	106.0246	CLANEYR7 345.00 - NEOSHO 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0223	GEN514912 2-REDBUD GEN	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0175	GEN506752 1-LEBROCK GAS 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19355	106.0154	SPP-MKEC-08	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	106.0126	GEN560706 1-G11-010 0.6900	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19611	106.0117	DEWEY - IODINE 138KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19343	106.0117	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1927	106.0105	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.9897	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19328	105.9808	CIMARRON - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19645	105.9777	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19328	105.9718	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19555	105.9192	BENTON - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.9114	GEN520812 1-ANADRK5
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19401	105.9032	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.9033	GEN337954 1-LYNCH UNIT #3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19346	105.8966	CIRCLE - MULLERGREY 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8941	GEN549890 1-SOUTHWEST 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8716	GEN338513 1-BAILEY UNIT #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19339	105.87	MULLERGREY - SPEARVILLE 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8624	GEN511836 1-NORTHEASTERN STATION #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8533	GEN335201 1-NELSON UNIT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19276	105.8448	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19308	105.8354	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19308	105.8171	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8138	GEN338510 1-1S1KNWRI
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8138	GEN338511 1-1C7KNWRI
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8067	GEN511851 1-COMANCHE #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.8051	GEN334456 1-CONOCO UNIT#1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19867	105.7878	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7864	GEN520811 1-ANADRK4
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7839	GEN546702 1-NM GEN N1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7688	GEN335202 1-NELSON UNIT 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7675	GEN520813 1-ANADRK6
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7668	GEN503900 1-FITZHUGH CT1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19865	105.7666	SPP-SWPS-Q2A
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19344	105.7658	SPP-WEPL-03
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19344	105.7658	SPP-WERE-34
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19344	105.762	SPP-MKEC-05
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19349	105.7603	AXTELL - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19278	105.747	HOYT - STRANGER CREEK 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7457	GEN335612 1-WILLOW GLENN UNIT#2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7422	GEN560645 1-ASGI-10-09 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19395	105.7342	DOVER SW - HENESSEY 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7304	GEN337124 5-LS POWER BATESVILLE
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.20105	105.7228	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7182	GEN506749 1-EASTMAN GENERATION A
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7145	GEN511843 1-RIVERSIDE STATION #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7104	GEN509409 1-WILKES #3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7092	GEN335611 1-WILLOW GLENN UNIT#1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19412	105.7082	OGE3TERM1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7074	GEN599891 1-OKLAUN
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7063	GEN300016 1-1G1GPDEL 18.000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.7063	GEN300017 1-1G2GPDEL 18.000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19275	105.7047	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.6919	GEN547656 1-STATE LINE UNIT #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19395	105.6893	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS		0ZALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.22393	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.6759	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19276	105.6736	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19344	105.6715	SPP-WEPL-03A
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.6689	GEN335137 C4-PPG
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19275	105.6541	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19342	105.649	MOORE - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19344	105.6482	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19401	105.6451	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19395	105.6416	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19328	105.6307	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.6294	GEN334467 1-DUPONT UNIT#1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.6161	GEN500915 3-WESTERN KRAFT
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19346	105.6123	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.6	GEN334335 1-TOLEDO BEND
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19317	105.5997	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5991	GEN335546 3-DOW COGEN
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.5988	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5958	GEN521214 1-BLUCAN2 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19547	105.5909	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.5853	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5788	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5788	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5788	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5788	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5748	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5736	GEN511853 1-COMANCHE #3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5732	GEN300002 1-THOMAS HILL UNIT 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5698	GEN511852 1-COMANCHE #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5685	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5685	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.5562	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5556	GEN335644 1-EXXON UNITS
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5546	GEN560169 1-G08-13 0.5750
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19168	105.5469	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.5369	GEN337054 1-GREENWOOD
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.5354	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19295	105.5326	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19326	105.5322	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19245	105.5291	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19309	105.5277	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19306	105.5196	CIMARRON - EL RENO 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19235	105.5086	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19243	105.5048	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19346	105.5047	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19345	105.5033	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4997	GEN506753 1-LEBROCK GAS 2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4932	GEN560603 1-G07-06 0.6000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19301	105.4891	KNOBHILL - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4835	GEN334458 1-CONOCO UNIT#3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19405	105.4833	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.4819	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4815	GEN300001 1-THOMAS HILL UNIT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.4808	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19272	105.4793	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19271	105.4771	PUTNAM - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4752	GEN334282 1-SAM RAYBURN 4
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19346	105.4725	Canadian Pump Station - HINTON 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19324	105.4714	SPP-SWPS-T54
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.1928	105.4712	CANTON - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.471	GEN560118 1-G08-46 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.47	GEN549899 5-JAMES RIVER 5
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19252	105.4664	BROOKLINE - MORGAN 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19301	105.4653	HELENA TAP - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4643	GEN335640 1-ENCO
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19295	105.4602	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19271	105.4599	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19271	105.4593	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19271	105.4579	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19502	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4458	GEN542954 3-MONTROSE UNIT #3
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19285	105.4433	OKEENE - WATONGA SW 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4423	GEN506750 1-EASTMAN GENERATION B
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.1928	105.4417	CANTON - OKEENE 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19282	105.4367	MARSHALL - WOODRING 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19234	105.4365	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4356	GEN338512 1-1S2KNWRI
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4346	GEN502438 1-DOC BONIN UNIT #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4342	GEN502436 1-HARGIS2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19271	105.4332	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19256	105.4332	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.432	GEN338507 1-1C1KNWRI
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.432	GEN338508 1-1C3KNWRI
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.432	GEN338509 1-1C5KNWRI
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.19229	105.4312	GEN318009 1-2MOSEL 69 69.000

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY		
							(MVA)	TDF				
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19282	105.4286	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19209	105.4284	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19324	105.426	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.4235	GEN560633 1-ASGI-10-05 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.4231	GEN542952 1-MONTROSE UNIT #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19324	105.4227	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19238	105.4199	MCELROY - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.417	GEN505482 1-BEAVER
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19282	105.4108	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19301	105.4098	GOLTRY - HELENA TAP 69KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19295	105.4077	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.4069	GEN505616 1-BROKEN BOW
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.4062	GEN503305 1-CITY OF HOUMA SUB
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19296	105.4047	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.4013	GEN502435 1-HARGIS1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.1924	105.3983	LAKEOVER - MCADAMS 500KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19253	105.3978	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19241	105.3943	A143
FDNS		02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19307	105.2447	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19307	105.2433	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.1044	BASE CASE
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	105.1044	NC1_GEN-NEBRASKA CITY 1
FDNS		02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19523	105.0234	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19136	104.8628	DBL-SPRVL-CL
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19235	104.8539	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19474	104.8054	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.8008	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.8	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.7932	GEN539767 1-GRAY COUNTY WIND FARM
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.7921	GEN562014 1-G11_023_3 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19294	104.7918	DELAWARE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19256	104.7832	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.7664	GEN560173 1-G08-17 0.5750
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.7659	GEN560585 1-G06-44-2 0.6000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.1917	104.7558	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19228	104.7441	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19272	104.7437	SPP-WERE-07
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19221	104.7396	OGE3TERM14
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19271	104.7314	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19136	104.7299	DBL-THIS-CLR
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19224	104.7192	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19221	104.7176	LACYGNE - STILWELL 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19272	104.715	OGE3TERM7
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6946	GEN560170 1-G08-16 34.500
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19237	104.6887	BBHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS		02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19326	104.6881	SPP-SWPS-03
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19271	104.6856	CRESWELL - MIDLTNT4 138.00 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19209	104.6781	GRDA-OPGD-05
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19237	104.6779	AMRN_OUT55
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6774	GEN524286 1-CLR_3 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19157	104.665	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6641	GEN560595 1-G06-47 0.6000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6632	GEN560592 1-G06-45 0.6000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19271	104.657	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19271	104.6566	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19246	104.6482	CLARKSVILLE - MUSKOGEE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6448	GEN560286 1-G10-01-1WTG 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6448	GEN560287 1-G10-01-2WTG 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19645	104.6419	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19272	104.6274	SPP-WERE-07C
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6236	GEN560371 1-G07-46 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.6211	GEN560586 1-G06-44-3 0.6000
FDNS		02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19523	104.6185	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19166	104.6117	CLEVELAND - SOONER 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19272	104.5974	SPP-WERE-07B
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19229	104.5929	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00 345KV CKT 1	1195	0.19455	104.587	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.574	GEN560105 1-G08-22 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.5571	GEN560279 1-G08-18 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19237	104.5566	DELL 500 - INDEPENDENCE 500KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.5518	GEN560256 1-G10-14-1 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.5405	GEN560257 1-G10-14-2 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19096	104.5103	PITTSBURG - VALLIANT 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19272	104.505	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19239	104.4944	KEO EHV - WEST MEMPHIS 500 500KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.4722	GEN562042 1-G11_014_3 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19456	104.4633	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19138	104.4584	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.458	GEN523103 1-NOBLE_WND 3115.00
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19138	104.4539	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19474	104.4489	G08-127T 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19213	104.4333	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.4253	GEN515790 1-FPLWWD2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.4161	GEN560359 1-G08-51 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.3931	GEN520922 1-SLEEPING BEAR
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19195	104.3817	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.381	GEN560166 1-G07-48 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.3604	GEN515389 1-TLGAWND1 34.500
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.3577	GEN560570 1-G06-39 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.3548	GEN560598 1-G06-49 0.6000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.3025	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.1908	104.2921	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.2813	GEN560121 1-G08-47 0.5750
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.2773	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.2772	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19083	104.269	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.268	GEN527162 1-MUSTANG GEN #2
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19302	104.2133	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19307	104.1911	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19192	104.178	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.1744	GEN562020 1-G11_021_3 0.6900
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	104.0559	GEN527161 1-MUSTANG GEN #1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19328	103.9537	GRACEMONT - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.8934	GEN515397 1-OUSPR1 34.500
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.8424	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.8421	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.8331	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19307	103.7333	SPP-SWPS-02
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19307	103.7327	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19307	103.7288	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.7128	GEN515364 1-CENT 11 0.6000
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.6861	GEN560180 1-G07-51 0.6000
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19289	103.6783	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.6247	GEN526331 1-JONES GEN #1 22 KV
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.6213	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19307	103.4681	SPP-SWPS-02A
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.356	GEN531447 1-HOLCOMB GENERATOR
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19289	103.3179	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19444	103.2919	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.2138	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	103.181	GEN515393 1-OGEWND2G
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19382	103.1038	MINGO - SETAB 345KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19106	103.0961	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19066	103.084	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.20651	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19151	103.0347	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19289	102.9556	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	102.675	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02G11_022		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.20612	102.6705	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	102.6567	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	102.6561	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL		0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19151	102.6528	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7	345.00	0.19229	102.5906	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL		0	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26638	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26638	102.5899	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19312	102.5685	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19106	102.449	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1934	102.4411	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	102.4378	GEN515450 1-CRSRDW21 34.500
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	102.4376	GEN560223 1-G07-62-3 0.6900
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	102.4376	GEN560224 1-G07-62-4 0.6900
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	102.3377	GEN560221 1-G07-62-1 0.6900
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	102.3377	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19085	102.0633	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19085	102.0153	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19251	101.9769	HOLCOMB - SETAB 345KV CKT 1
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	101.9764	GEN560429 1-G08-29 0.6400
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19039	101.9591	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1912	101.9291	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1934	101.9118	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19039	101.8801	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1912	101.8738	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02G11_022	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20612	101.8598	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22464	101.7876	DBL-FINY-HOL
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.1902	101.6996	AXTELL - POST ROCK 345KV CKT 1
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	101.501	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19106	101.1724	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19027	101.1276	BENTON - ROSE HILL 345KV CKT 1
FDNS	02G11_022	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22464	100.9679	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19024	100.8742	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19444	100.8549	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19444	100.8116	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	100.7899	GEN562023 1-G11_020_3 0.6900
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	100.7899	GEN562026 1-G11_019_3 0.6900
FDNS	1	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19229	100.7002	GEN515449 1-CRSRDW11 34.500
FDNS	02ALL	0	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19626	100.4297	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	2	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.51244	111.7	DBL-HTCH-BVR
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32047	121.3512	DBL-THIS-WWR
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28166	105.2993	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25901	101.125	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25901	101.125	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25638	112.978	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25638	104.5472	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25089	101.1445	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25089	101.1445	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_022	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23564	100.3108	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.51055	114.6203	DBL-HTCH-BVR
FDNS	02ALL	2	12G	G11_022	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.45642	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.45642	117.5852	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.31911	137.7338	DBL-THIS-WWR
FDNS	02ALL	2	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.28237	102.8524	DBL-THIS-WWR
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.28074	112.0501	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26191	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26191	101.5808	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25815	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25815	112.8982	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25525	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25525	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25525	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25012	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25012	112.3289	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24631	104.2661	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.244	109.2528	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.244	108.7863	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24388	107.6311	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24315	107.4672	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24306	104.2693	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24306	104.2301	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24295	107.4642	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24295	106.6161	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24227	109.6189	SPP-SWPS-03

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	110.372	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	110.3459	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	109.0086	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	108.3395	STATELINE INTERCHANGE - STLN-DEMAR6 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	108.3221	SPP-SWPS-02
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	108.3164	STLN-DEMAR6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24205	108.0119	SPP-SWPS-02A
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24169	106.3317	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24157	106.1385	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24127	107.5733	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24127	107.1372	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24127	106.7023	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24027	107.3012	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.24027	106.7701	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23968	105.7136	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23968	105.6437	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23917	107.5531	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2391	105.9181	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2391	105.8546	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23878	104.6575	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23875	105.8184	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23875	105.7178	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23864	105.566	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23851	105.8393	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23846	104.7673	BENTON - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23828	106.8314	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23828	105.9355	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23828	104.131	SUMNERCO 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23772	105.2878	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23772	105.2447	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23765	104.8053	DOVER SW - OKEENE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23745	104.5704	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23744	104.5627	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23737	105.0658	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23737	105.0201	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23709	103.8966	OGE3TERM1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23694	104.6476	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23691	103.9665	DOVER SW - HENESSEY 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23691	103.9073	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23691	103.8669	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2369	104.1049	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23684	104.4864	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23684	104.3666	CANEYRV7 345.00 - LATHAM57 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23684	104.0843	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23651	104.308	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23641	104.6505	SPP-MKEC-08
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23638	104.398	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23634	104.7991	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23632	104.7225	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23631	103.9837	CARNEGIE - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23631	103.9505	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2363	104.5556	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2363	104.2642	MOORE - PAULINE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23629	104.3118	SPP-WEPL-03
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23629	104.3118	SPP-WERE-34
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23629	104.3085	SPP-MKEC-05
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23629	104.2917	SPP-WEPL-03A
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23629	104.1643	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23628	103.0012	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23623	103.8816	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2362	104.1574	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23619	104.3844	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23619	104.2662	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23619	104.224	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23619	104.0166	Canadian Pump Station - JENSEN ROAD 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23617	103.8365	OGE3TERM10
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23615	104.8162	SMOKYHLS 230.00 - SUMMIT 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23615	104.3811	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23605	104.0313	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23604	103.896	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23604	103.8754	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.3476	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.3207	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.3009	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.2966	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.2879	SPP-SWPS-T54
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.1424	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.1332	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.0407	HOLLIS TAP - WELLINGTON 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	104.0119	CHILDRESS - HOLLIS TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23603	103.9286	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23601	104.3192	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23601	103.9855	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23596	103.7534	JENSEN ROAD - JENSEN TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23594	104.0457	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23591	103.9142	CLINTON - G07-32T 138.00 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23591	103.8949	CLINTON - WEATHERFORD 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23591	103.8651	HYDRO - WEATHERFORD 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23591	103.8304	HYDRO - SICKLES 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23591	103.7673	BINGER NIJECT - SICKLES 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23588	103.9503	LAKE PAULINE - RUSSELL 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23586	104.3001	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23586	104.2738	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23578	103.8168	KNOBHILL - SALINE 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23578	103.7875	HELENA TAP - SALINE 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23578	103.7533	CIMARRON - EL RENO 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23578	103.7203	GOLTRY - HELENA TAP 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23572	103.7685	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23572	102.6272	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23566	103.9447	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2356	103.9039	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2356	103.7569	MCCOOL - MOORE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23558	102.7526	DELAWARE - NORTHEAST STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23557	103.7769	OKEENE - WATONGA SW 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23554	104.0604	CONWAY SUB - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23554	104.0556	NICHOLS STATION - YARNELL SUB 115KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23554	103.995	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23554	103.9825	SPP-SWPS-T53
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23554	103.8346	CANTON - TALOGA 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23554	103.8013	CANTON - OKEENE 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23552	104.1986	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23548	104.0282	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23547	103.7752	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23545	104.564	WRTOD400
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23545	103.82	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23543	103.8103	PUTNAM - TALOGA 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23543	103.7888	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23543	103.7883	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23543	103.7871	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23543	103.7568	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23542	104.5137	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23542	104.0123	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23542	103.9576	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23542	103.7381	MARSHALL - WOODRING 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23542	103.7315	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.1494	SPP-WERE-07
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.1336	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.1162	OGE3TERM7
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.0421	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	103.042	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23536	102.9827	SPP-WERE-07B
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23529	103.9061	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23525	103.8466	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23523	103.1423	KILDARE4 - WHITE EAGLE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23522	103.8803	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23521	103.7749	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23518	104.9416	LACYGNE - NESHOS 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23518	103.7122	MCADAMS - WOLF CREEK 500KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23516	103.7434	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23516	103.7233	CHISHOLM - MAIZE 138KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23514	103.7563	EL PASO - FARBER 138KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23514	103.7509	STEGALL - WAYSIDE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23514	102.9629	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2351	103.9436	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2351	103.7757	AI43	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2351	103.7715	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2351	103.7401	MORISNT4 138.00 - STILLWATER 138KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23509	103.7823	LAKEOVER - MCADAMS 500KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23507	102.7584	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23506	102.9679	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23506	102.9647	AMRN_OUT55	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23505	102.8196	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23503	103.9192	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23503	103.7319	KCPL-OPGD06A	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23502	103.8247	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23501	103.9379	TOLK STATION EAST - TUCCO INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7678	CRAIG - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	110.4511	GEN336821 1-GRAND GULF UNIT	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	109.9425	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	109.5694	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	109.0677	GEN335831 1-RIVERBEND UNIT#1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	108.5684	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	107.8155	GEN337652 1-WHITE BLUFF UNIT #1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	107.6395	GEN501801 1-DOLET HILLS UNIT1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	107.5807	GEN338146 1-INDEPENDENCE UNIT #2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	107.514	GEN338143 1-INDEPENDENCE UNIT #1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	107.4369	GEN337653 1-WHITE BLUFF UNIT #2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.9723	GEN520947 1-HUGO1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.9662	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.9658	GEN514806 1-SOONER UNIT 2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.9292	GEN336251 1-NINEMILE POINT UNIT#4	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.8507	GEN501813 1-RODEMACHER UNIT 3	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.809	GEN337041 1-GERALD ANDRUS	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.8081	GEN509416 1-TURK GENERATION	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.7027	GEN514805 1-SOONER UNIT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.5528	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.4405	GEN336831 1-BAXTER WILSON SES	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.4152	GEN501812 1-RODEMACHER UNIT 2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.3717	GEN335206 1-NELSON UNIT 6	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.3683	GEN338388 1-PLUMPT 23.000	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.2741	GEN509406 1-WELSH #3	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.274	GEN509405 1-WELSH #2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.2739	GEN509404 1-WELSH #1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.265	GEN515042 1-SEMINOLE 3G	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.2365	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.236	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.2125	GEN335204 1-NELSON UNIT 4	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.1983	GEN512688 2-GRDA1 GSU2 22	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.1849	GEN334440 1-SABINE UNIT 4	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	106.066	GEN509394 1-FLINT CREEK	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.9573	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.8589	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.8064	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.8057	GEN334441 1-SABINE UNIT 5	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.7618	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.6393	GEN512689 1-GRDA1 GSU1 22	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.5164	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.4381	GEN560282 1-G08-19 0.6000	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.388	GEN515041 1-SEMINOLE 2G	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.3763	GEN562010 1-G11_024_3 0.6900	
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.3302	GEN560175 1-G07-44 0.5750	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	105.0646	GEN336170 1-GULF OXY U4
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.989	GEN515040 1-SEMINOLE 1G
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.9197	GEN515449 1-CRSRDW11 34.500
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.9178	GEN514910 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.9178	GEN514911 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.8708	GEN514942 2-REDBUD4G
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.8672	GEN300006 1-NEW MADRID UNIT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.8588	GEN300007 1-NEW MADRID UNIT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.7891	GEN334070 1-LEWIS CREEK 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.765	GEN334071 1-LEWIS CREEK 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.7402	GEN560648 1-G07-21 0.5750
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.7359	GEN514905 1-REDBUD3S
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.7347	GEN514899 1-REDBUD1S
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.7102	GEN514900 1-REDBUD2S
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.6344	GEN501823 1-TECHE UNIT 3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.6022	GEN511938 1-OEC STEAM # 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.5954	GEN334432 1-SABINE UNIT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.5953	GEN334431 1-SABINE UNIT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.5203	GEN501910 1-ACADIA UNIT ST1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.5089	GEN549893 2-SOUTHWEST 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4736	GEN334030 1-FRONTIER UNIT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4736	GEN334031 1-FRONTIER UNIT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4585	GEN560636 1-ASGI-10-06 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4541	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4541	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4441	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.4055	GEN505432 1-SIKESTON
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.3661	GEN318007 1-5MOROW161 161.00
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.3288	GEN337428 1-PERVILLE UNIT #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.3288	GEN337430 1-PERVILLE UNIT #3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.3046	GEN337429 1-PERVILLE UNIT #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.3032	GEN337432 1-PERVILLE UNIT #5
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2909	GEN337125 6-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2824	GEN337006 1-DUKE MCADAMS G1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2824	GEN337007 1-DUKE MCADAMS G2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2819	GEN335203 1-NELSON UNIT 3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2752	GEN515266 1-AES 1G
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2752	GEN515267 1-AES 2G
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2645	GEN337008 1-DUKE MCADAMS S1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2548	GEN547649 1-ASBURY UNIT #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.247	GEN501911 1-ACADIA UNIT CT1A
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.247	GEN501912 1-ACADIA UNIT CT1B
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2382	GEN336167 1-GULF OXY U1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2382	GEN336168 1-GULF OXY U2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2382	GEN336169 1-GULF OXY U3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2352	GEN336944 1-REX BROWN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2324	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2324	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2286	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.219	GEN542956 2-LACYGNE UNIT #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2176	GEN542955 1-LACYGNE UNIT #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2101	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2074	GEN335075 1-DYNEGY#1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2074	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2057	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.2056	GEN335570 1-CARVILLE CTG
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.1866	GEN335572 1-CARVILLE STG
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.178	GEN560687 1-G11-007 0.5750
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.1711	GEN338500 1-MCCLELLAN UNIT #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.1702	GEN560323 1-G10-40 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.1638	GEN520812 1-ANADRK5
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.1637	GEN514912 2-REDBUD GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0973	GEN511851 1-COMANCHE #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0826	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0649	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0319	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0312	GEN335201 1-NELSON UNIT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0228	GEN520813 1-ANADRK6
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0171	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	104.0034	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9954	GEN334456 1-CONOCO UNIT#1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9917	GEN338510 1-1S1KNWRI
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9917	GEN338511 1-1C7KNWRI
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9867	GEN520811 1-ANADRK4
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9857	GEN503900 1-FITZHUGH CT1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9677	GEN511843 1-RIVERSIDE STATION #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9637	GEN335202 1-NELSON UNIT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9567	GEN506749 1-EASTMAN GENERATION A
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9496	GEN509409 1-WILKES #3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9374	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9287	GEN560169 1-G08-13 0.5750
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9085	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9082	GEN337124 5-LS POWER BATESVILLE
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.9031	GEN547656 1-STATE LINE UNIT #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8844	GEN335137 C4-PPG
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8824	GEN300016 1-1G1GPDEL 18.000
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8824	GEN300017 1-1G2GPDEL 18.000
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.879	GEN509408 1-WILKES #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8754	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8715	GEN521214 1-BLUCAN2 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8634	GEN511852 1-COMANCHE #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8537	GEN334467 1-DUPONT UNIT#1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8518	GEN511853 1-COMANCHE #3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8511	GEN500915 3-WESTERN KRAFT
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8349	GEN334335 1-TOLEDO BEND
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.8213	GEN335546 3-DOW COGEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.797	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.797	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7947	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7947	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7947	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7947	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7869	GEN335644 1-EXXON UNITS
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7685	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.765	GEN560118 1-G08-46 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.7647	GEN337054 1-GREENWOOD
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.4381	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.4378	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.4377	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.4337	BASE CASE
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.4337	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.2979	GEN599891 1-OKLAUN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.1603	GEN560694 1-G11-008-2 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.1601	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.1061	GEN560238 1-G10-09 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0913	GEN531493 1-CNTRLPLWG1 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.09	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0896	GEN523815 1-LLANO ESTACADO WIND GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0811	GEN523160 1-DWS FRISCO
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0811	GEN539945 1-FLATRWWDWG1 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0783	GEN524485 1-CAPROCK WIND GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0746	GEN560432 1-G08-124 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0718	GEN560659 1-G07-38 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0695	GEN560356 1-G10-53 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0693	GEN560693 1-G11-008-1 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0633	GEN562035 1-G11_016_3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0542	GEN560549 1-G06-06 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0421	GEN560180 1-G07-51 0.6000
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0421	GEN560209 1-G07-40 0.5750
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0272	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	103.0081	GEN515397 1-OUSPR1 34.500
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.9837	GEN562032 1-G11_017_3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.9829	GEN560522 1-G05-12 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.9747	GEN515364 1-CENT 11 0.6000

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.9367	GEN522814 1-LUBBOCK POWER & LIGHT-MACKENZIE GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.9199	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.9147	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.8917	GEN560173 1-G08-17 0.5750
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.8835	GEN562014 1-G11_023_3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.8722	GEN539677 3-A. M. MULLERGEN GENERATOR
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.8545	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.8225	GEN515393 1-OGEWND2G
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.6946	GEN560170 1-G08-16 34.500
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.6933	GEN560595 1-G06-47 0.6000
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.6921	GEN560592 1-G06-45 0.6000
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.5838	GEN560279 1-G08-18 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.5241	GEN560105 1-G08-22 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.5013	GEN560221 1-G07-62-1 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.5013	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.484	GEN560223 1-G07-62-3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.484	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.4699	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.4378	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.3919	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.3771	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.3418	GEN560359 1-G08-51 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.2814	GEN560187 1-G10-07 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.2562	GEN523926 1-MAJESTIC WIND
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.2106	GEN560166 1-G07-48 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.1479	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.1479	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	102.0098	GEN523195 1-Hansford County Switch Station
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.9579	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.9577	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	101.5994	GEN562049 1-G11_012_3 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	100.8647	GEN560585 1-G06-44-2 0.6000
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	100.5014	GEN526331 1-JONES GEN #1 22 KV
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	100.4946	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	100.0555	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23497	100.0555	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23496	103.1484	DOLET HILLS 345/230KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23494	103.0325	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2349	103.0166	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2349	102.8892	CIMARRON (CIMARON2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23489	103.1352	ARKANSAS NUCLEAR ONE - MABELVALE 500 500KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23489	102.8714	CIMARRON (CIMARON1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23487	104.4089	CIMARRON - MINCO 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23487	103.8824	GRACEMONT - MINCO 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23486	102.9833	LACYGNE - STILWELL 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23478	103.017	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23477	102.9161	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23475	102.7587	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23473	103.9229	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23473	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23473	103.441	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23472	103.8216	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23471	102.9713	GRDA-OPGD-05
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23466	103.7652	NORTHEAST STATION - TULSA NORTH 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23441	103.0743	HORSESHOE LAKE - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23441	103.0738	ARCADIA - HORSESHOE LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23416	104.0905	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23408	103.0441	FT SMITH - MUSKOGEE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23391	102.8507	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23381	102.0763	DBL-THIS-CLR
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2337	102.4879	CLEVELAND - SOONER 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23342	103.1135	SOONER - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23336	102.8806	PITTSBURG - VALLIANT 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23311	102.7547	PITTSBURG - SEMINOLE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23258	101.8128	REDDUB - RIVERSIDE STATION 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23175	101.7541	CIMARRON - DRAPER LAKE 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23016	102.4504	ARCADIA - NORTHWEST 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23015	102.7555	MATTHEWSON 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.228	102.6871	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2
FDNS	02ALL	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21106	100.7848	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2	12G	G11_022	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.20266	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	3	2	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22803	100.6852	DBL-WICH-THI
FDNS	2	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.32109	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.30018	118.6835	DBL-WICH-THI
FDNS	2	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25686	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	12G	G11_022	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.20001	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	1	2	12G	G11_022	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.20042	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	12G	G11_022	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.20042	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	3	2	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.22803	100.6852	DBL-WICH-THI
FDNS	02ALL	3	12G	G11_022	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	1792	0.45589	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_022	FROM->TO	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1792	0.45589	115.2789	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	3	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.22159	114.7906	DBL-HTCH-BVR
FDNS	02ALL	3	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.28118	103.3402	DBL-THIS-WWR
FDNS	02ALL	3	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26112	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	3	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.26112	100.5235	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	4	12G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20281	111.6575	DBL-WICH-THI
FDNS	02NR	4	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.2641	107	DBL-HTCH-BVR
FDNS	02NR	3	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.2482	104.4	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_022	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.24762	103.9	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_022	FROM->TO	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	1328	0.22017	117.809	DBL-BVR-WWRD
FDNS	02NR	3	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.21807	101.9096	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	4	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.21725	101.1843	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	2	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.21284	104.5353	PLANT X STATION - S-RANDLCO 230.00 230KV CKT 1
FDNS	02NR	3	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.17959	100	DBL-HTCH-BVR
FDNS	02NR	2	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.17601	101.6	DBL-HTCH-BVR
FDNS	02NR	4	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.16933	109.7988	DBL-BVR-WWRD
FDNS	00NR	3	17WP	G11_022	FROM->TO	LAWEASOKLUNI	425	0.15012	101.6	BASE CASE
FDNS	02NR	3	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.14974	114.5991	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	3	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.14974	110.912	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	4	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.14919	113.8119	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	4	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.14919	110.5612	GEN525562 1-TOLK GEN #2 24 KV
FDNS	00NR	2	17WP	G11_022	FROM->TO	LAWEASOKLUNI	425	0.14813	102.6	BASE CASE
FDNS	00NR	4	12WP	G11_022	FROM->TO	LAWEASOKLUNI	425	0.14737	102.6	BASE CASE
FDNS	02NR	3	12G	G11_022	FROM->TO	LAWEASOKLUNI	425	0.14658	126	BASE CASE
FDNS	02NR	2	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.14623	112.6223	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	12G	G11_022	TO->FROM	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT	350	0.14623	109.6134	GEN525561 1-TOLK GEN #1 24 KV
FDNS	00NR	3	12WP	G11_022	FROM->TO	LAWEASOKLUNI	425	0.14615	102	BASE CASE
FDNS	02NR	2	12G	G11_022	FROM->TO	LAWEASOKLUNI	425	0.14568	127.6	BASE CASE
FDNS	00NR	2	12WP	G11_022	FROM->TO	LAWEASOKLUNI	425	0.14346	103.9	BASE CASE
FDNS	00NR	2	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11381	102.0684	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11381	101.9642	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11381	101.0703	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	2	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11381	101.0561	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11244	101.8185	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11244	101.7142	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11244	100.8213	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.11244	100.8076	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.1121	102.4574	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.1121	102.2211	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	00NR	4	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.1121	101.5274	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	4	17SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFO	250	0.1121	101.4353	OCHILTREE 230/115KV TRANSFORMER CKT 1
FDNS	02NR	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.0866	102.233	DBL-FINY-HOL
FDNS	02NR	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.0866	100.4888	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.0837	121.9385	DBL-WICH-THI
FDNS	02NR	2	12G	G11_022	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.08017	120.8991	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	02NR	2	12G	G11_022	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.07967	105.3344	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_022	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.07854	109.703	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_022	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.07838	117.3272	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_022	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.07788	100.7063	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_022	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.0778	121.8174	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17WP	G11_022	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.07731	107.1262	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12WP	G11_022	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.0772	126.1801	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_022	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.07653	109.8838	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02NR	2	12G	G11_022	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.07559	115.8707	DBL-THIS-WWR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS	00NR	3	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03389	100.4691	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	3	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03389	100.2656	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03353	103.0187	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	3	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03353	102.8928	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02NR	2	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0335	162.9021	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	2	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0335	162.8442	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02NR	2	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03334	162.4277	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	02NR	3	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03325	161.8642	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	3	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03325	161.8074	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	2	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0332	101.782	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	2	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0332	101.5804	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	3	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03309	161.2752	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	00NR	3	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03297	100.5531	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	00NR	4	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03293	102.736	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	4	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03293	102.5407	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03284	104.0257	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	2	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03284	103.9016	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	4	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0326	105.1232	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	00NR	4	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0326	105.0023	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02NR	4	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03234	156.987	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02NR	4	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03234	156.9357	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	00NR	4	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03211	101.0664	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	00NR	4	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03211	100.3526	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1		
FDNS	02NR	4	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03191	156.1559	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	00NR	2	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03189	101.7442	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	00NR	2	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03189	101.023	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1		
FDNS	00NR	4	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03177	102.9984	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1		
FDNS	00NR	4	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03177	102.2806	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1		
FDNS	00NR	3	17SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03133	145.7817	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	00NR	3	17WP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0313	128.7393	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	00NR	3	12SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03093	148.1131	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	00NR	3	12WP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03086	130.9549	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	02NR	2	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03085	248.5535	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	02NR	2	12G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03085	138.5378	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	02NR	3	12G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03084	248.5616	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	02NR	3	12G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.03084	138.5424	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FNSL-Blown up	02ALL	0	12G	G11_023		Non Converged Contingency	0	0.33083	-		DBL-WICH-THI	
FNSL-Blown up	3	0	12G	G11_023		Non Converged Contingency	0	0.33181	-		DBL-WICH-THI	
FNSL-Blown up	3	0	12G	G11_023		Non Converged Contingency	0	0.55095	-		DBL-THIS-CLR	
FNSL-Blown up	01ALL	0	12G	G11_023		Non Converged Contingency	1195	0.10881	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	01ALL	0	12G	G11_023		Non Converged Contingency	1195	0.10881	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	0	0.55027	-		DBL-THIS-CLR	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	0	0.33022	-		DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	0	0.20686	-		DBL-THIS-WWR	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	0	0.12048	-		DBL-FINY-HOL	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	355.3	0.06793	-		MULLERGREEN - SPEARVILLE 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	319	0.05123	-		CIRCLE - MULLERGREEN 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	398	0.05244	-		KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	319	0.04514	-		SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	330	0.04514	-		KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1195	0.1027	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1052	0.12048	-		Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1052	0.12048	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	717	0.05411	-		GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	717	0.05794	-		MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1793	0.27513	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1793	0.27513	-		CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1195	0.1027	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16292	-		G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1328	0.18738	-		GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-		THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-		THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1195	0.0456	-		GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-		GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-		GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-		GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-		GEN532722 1-EVANS ENERGY CENTER UNIT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16511	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	956	0.06301	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	559	0.06442	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1328	0.05387	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.16292	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1328	0.05293	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	956	0.08722	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.10749	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	956	0.0451	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	956	0.05396	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.10343	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1792	0.10343	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_023		Non Converged Contingency	1328	0.18738	-	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03G11_023	0	12G	G11_023		Non Converged Contingency	0	0.48105	-	DBL-WICH-THI	
FNSL-Blown up	03G11_023	0	12G	G11_023		Non Converged Contingency	0	0.49505	-	DBL-THIS-CLR	
FNSL-Blown up	02ALL	2	12G	G11_023		Non Converged Contingency	0	0.29441	-	DBL-WICH-THI	
FNSL-Blown up	3	2	12G	G11_023		Non Converged Contingency	0	0.49389	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1195	0.09531	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1195	0.09531	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.10227	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.10227	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1052	0.10725	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1052	0.10725	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.1363	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.09816	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	319	0.03299	-	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1328	0.04515	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1328	0.16612	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1328	0.04628	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	717	0.0509	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1195	0.12287	-	MULGREN7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.1363	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1051	0.06776	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1195	0.12287	-	MULGREN7 345.00 - RENO COUNTY 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.13862	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1792	0.13862	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	355.3	0.05321	-	MULLERGREEN - SPEARVILLE 230KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1793	0.24682	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	1793	0.24682	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	956	0.05685	-	AXTELL - PAULINE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	956	0.03961	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	717	0.04864	-	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	0	0.27723	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	0	0.20455	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	2	12G	G11_023		Non Converged Contingency	0	0.49363	-	DBL-THIS-CLR	
FNSL-Blown up	3	2	12G	G11_023		Non Converged Contingency	0	0.49389	-	DBL-THIS-CLR	
FNSL-Blown up	03G11_023	2	12G	G11_023		Non Converged Contingency	0	0.49505	-	DBL-THIS-CLR	
FNSL-Blown up	02ALL	3	12G	G11_023		Non Converged Contingency	0	0.29339	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_023		Non Converged Contingency	0	0.03166	-	TRF-STEGALL	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	1052	0.09993	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	1052	0.09993	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	1792	0.12194	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	1328	0.15448	-	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	1793	0.23132	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	1793	0.23132	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	0	0.24832	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	3	12G	G11_023		Non Converged Contingency	0	0.46264	-	DBL-THIS-CLR	
FNSL-Blown up	02ALL	4	12G	G11_023		Non Converged Contingency	0	0.28948	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_023		Non Converged Contingency	0	0.09744	-	DBL-BVR-WWRD	
FNSL-Blown up	03ALL	4	12G	G11_023		Non Converged Contingency	0	0.43107	-	DBL-THIS-CLR	
FNSL-Blown up	03NR	2	12G	G11_023		Non Converged Contingency	0	0.24274	-	DBL-THIS-CLR	
FNSL-Blown up	03NR	3	12G	G11_023		Non Converged Contingency	0	0.2378	-	DBL-THIS-CLR	
FDNS	03ALL	0	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19002	102.9042	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	2	2	12G	G11_023	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.21577	118.6835	DBL-WICH-THI	
FDNS	03ALL	2	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20035	111.7619	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03ALL	3	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20577	115.7912	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03ALL	3	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20577	113.4258	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	3	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.20577	109.0672	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	3	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.21337	102.1663	DBL-THIS-WWR	
FDNS	03ALL	4	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19922	111.863	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03ALL	4	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19922	109.5175	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	03ALL	4	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.19922	104.9449	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	03NR	3	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.03789	102.0228	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	03NR	4	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.03294	110.8019	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03NR	3	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.03148	112.5764	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03NR	2	12G	G11_023	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	355.3	0.03138	139.0261	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03NR	2	12G	G11_023	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	355.3	0.03138	119.3234	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03NR	2	12G	G11_023	TO->FROM	BENTON - WICHITA 345KV CKT 1	956	0.03099	109.6694	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	00NR	3	17SP	G11_023	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	95.6	0.03029	117.7317	DBL-SPRVL-CL	
FDNS	00NR	3	17SP	G11_023	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	100	0.03029	101.4778	DBL-SPRVL-CL	
FNSL-Blown up	01ALL	0	12G	G11_024		Non Converged Contingency	0	0.21716	-	DBL-THIS-WWR	
FNSL-Blown up	02ALL	0	12G	G11_024		Non Converged Contingency	0	0.1505	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	0	12G	G11_024		Non Converged Contingency	0	0.05516	-	DBL-FINY-HOL	
FNSL-Blown up	3	0	12G	G11_024		Non Converged Contingency	0	0.15148	-	DBL-WICH-THI	
FNSL-Blown up	01ALL	0	12G	G11_024		Non Converged Contingency	1195	0.50041	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	01G11_024	0	12G	G11_024		Non Converged Contingency	1195	0.49945	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	0	12G	G11_024		Non Converged Contingency	1052	0.05516	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	01G11_024	0	12G	G11_024		Non Converged Contingency	1195	0.50055	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	0	0.14989	-	DBL-WICH-THI	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1195	0.49431	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	717	0.03149	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.04006	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1195	0.04719	-	GEN542962 2-IATAN UNIT #2	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.07495	-	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	559	0.05137	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1328	0.03173	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.04006	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1328	0.03388	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	1792	0.03517	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_024		Non Converged Contingency	956	0.05232	-	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FNSL-Blown up	02ALL	2	12G	G11_024		Non Converged Contingency	0	0.03936	-	DBL-FINY-HOL	
FNSL-Blown up	02ALL	2	12G	G11_024		Non Converged Contingency	1052	0.03936	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1195	0.49342	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1792	0.03621	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1792	0.03416	-	AXTELL - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1328	0.0328	-	HOLCOMB - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1328	0.03072	-	MINGO - SETAB 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	717	0.03063	-	MINGO - RED WILLOW 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1792	0.03621	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1051	0.0375	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1792	0.07141	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	1792	0.07141	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_024		Non Converged Contingency	0	0.14282	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_024		Non Converged Contingency	1052	0.03851	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	02ALL	3	12G	G11_024		Non Converged Contingency	0	0.09438	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	3	12G	G11_024		Non Converged Contingency	0	0.03851	-	DBL-FINY-HOL	
FNSL-Blown up	03ALL	3	12G	G11_024		Non Converged Contingency	1792	0.0342	-	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_024		Non Converged Contingency	0	0.1388	-	DBL-WICH-THI	
FNSL-Blown up	02ALL	4	12G	G11_024		Non Converged Contingency	0	0.09597	-	DBL-WICH-THI	
FNSL	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	125.1075	GEN336153 1-WATERFORD UNIT#3	
FNSL	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	124.7714	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50035	124.7089	SPP-WERE-07C	
FNSL	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.4606	CRESWELL - MIDLTNT4 138.00 138KV CKT 1	
FNSL	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.3984	SPP-WERE-07C	
FNSL	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	113.2862	GEN336153 1-WATERFORD UNIT#3	
FNSL	01ALL	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.52778	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	
FNSL	01ALL	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.52778	129.4748	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	
FNSL	01ALL	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.309	103.3303	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FNSL	01NR	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.59363	114.0523	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.59363	114.0523	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04694	105.4326	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04694	105.4326	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0465	104.6013	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0465	104.6013	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FNSL	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03858	123.4564	DBL-WICH-THI
FNSL	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03791	122.2297	DBL-WICH-THI
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49922	117.2227	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.57803	155.9706	DBL-THIS-WWR
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53756	148.1572	DBL-WICH-THI
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52122	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52122	138.3888	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50243	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.57782	136.9326	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53226	136.3151	DBL-HTCH-BVR
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53226	136.3151	DBL-HTCH-BVR
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.571	135.5058	DBL-THIS-WWR
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	134.7719	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	134.0026	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50926	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50926	133.4547	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	133.3152	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50383	132.9655	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53725	132.8871	DBL-WICH-THI
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50971	132.853	DBL-FINY-HOL
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	132.814	GEN335831 1-RIVERBEND UNIT#1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	131.9628	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.51326	131.8818	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.51326	131.831	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50971	131.4456	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	131.0805	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	130.9163	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	130.8369	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50243	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	130.6086	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	130.5303	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50971	129.8645	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.8586	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50684	129.8511	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.8409	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50243	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.7529	GEN337041 1-GERALD ANDRUS
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.6935	GEN501813 1-RODEMACHER UNIT 3
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.5467	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.4255	GEN520947 1-HUGO1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.4166	GEN509403 1-PIRKEY GENERATION
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.386	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.3847	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.3437	GEN338388 1-1PLUMPT 23.000
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.2298	GEN560323 1-G10-40 0.6900
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.2206	GEN336831 1-BAXTER WILSON SES
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.1796	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.1255	GEN501812 1-RODEMACHER UNIT 2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	129.0854	GEN335206 1-NELSON UNIT 6
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.9622	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.9615	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.877	GEN335204 1-NELSON UNIT 4
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.8222	GEN334440 1-SABINE UNIT 4
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.8037	GEN515042 1-SEMINOLE 3G
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50383	128.7551	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50315	128.6482	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.6306	GEN515040 1-SEMINOLE 1G
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.5674	GEN509406 1-WELSH #3
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.5673	GEN509404 1-WELSH #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.5673	GEN509405 1-WELSH #2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.4899	GEN512688 2-GRDA1 GSU2 22

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50318	128.4488	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.4114	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50318	128.3815	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50263	128.3701	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50136	128.3559	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.3279	GEN334441 1-SABINE UNIT 5	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.3217	GEN336801 1-BAXTER WILSON UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50383	128.3098	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50375	128.294	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50263	128.2715	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.2203	GEN511839 1-NORTHEASTERN STATION #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50315	128.1858	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50328	128.1808	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.1754	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.1178	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	128.0517	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	127.8446	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	127.8444	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.8298	GEN512689 1-GRDA1 GSU1 22	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50684	127.7925	FPL SWITCH - WOODWARD 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50416	127.7473	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.6862	GEN515041 1-SEMINOLE 2G	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.588	GEN515443 1-MNCOWND1 34.500	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.502	127.5366	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.502	127.5165	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50229	127.4217	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.4095	GEN336170 1-GULF OXY U4	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50229	127.4013	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.2846	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.2765	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50267	127.2491	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.1934	GEN514911 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.1933	GEN514910 2-REDBUD GEN	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	127.1321	GEN514942 2-REDBUD4G	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50196	127.075	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50268	127.0696	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	127.0195	SPP-SWPS-03	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50592	126.9854	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.9818	GEN334070 1-LEWIS CREEK 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.9516	GEN514905 1-REDBUD3S	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.9513	GEN334071 1-LEWIS CREEK 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.9503	GEN514899 1-REDBUD1S	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.9179	GEN514900 1-REDBUD2S	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50096	126.9089	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4967	126.8718	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.8517	GEN542956 2-LACYGNE UNIT #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.8505	GEN542955 1-LACYGNE UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50091	126.8356	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.8235	GEN501823 1-TECHE UNIT 3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50391	126.7597	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.7456	GEN334432 1-SABINE UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.7455	GEN334431 1-SABINE UNIT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52036	126.7411	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52036	126.7411	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	126.731	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.723	GEN542962 2-IATAN UNIT #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50017	126.6892	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50592	126.6755	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.6639	GEN501910 1-ACADIA UNIT ST1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.6504	GEN549893 2-SOUTHWEST 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.6374	GEN505432 1-SIKESTON	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.5928	GEN511938 1-OEC STEAM # 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50177	126.5819	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.5502	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.5416	GEN334030 1-FRONTIER UNIT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.5416	GEN334031 1-FRONTIER UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4961	126.5378	CIMARRON - MINCO 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.5061	GEN318007 1-5MOROW161 161.00	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.5016	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.476	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5011	126.4522	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4469	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4469	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4351	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4126	GEN542951 5-HAWTHORN UNIT #5	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5011	126.412	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50137	126.4113	SPP-MKEC-08	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4078	GEN337125 6-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4071	GEN560706 1-G11-010 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4004	GEN337428 1-PERYVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.4004	GEN337430 1-PERYVILLE UNIT #3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3997	GEN337006 1-DUKE MCADAMS G1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3997	GEN337007 1-DUKE MCADAMS G2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3977	GEN515266 1-AES 1G	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3977	GEN515267 1-AES 2G	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3691	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.369	GEN337429 1-PERYVILLE UNIT #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3688	GEN337432 1-PERYVILLE UNIT #5	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3669	GEN337008 1-DUKE MCADAMS S1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49872	126.3641	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50104	126.3551	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3415	GEN335203 1-NELSON UNIT 3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.341	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50079	126.3398	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50004	126.3236	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50181	126.3202	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3176	GEN547649 1-ASBURY UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50129	126.3168	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50391	126.3152	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.308	GEN336944 1-REX BROWN	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.304	GEN501911 1-ACADIA UNIT CT1A	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.304	GEN501912 1-ACADIA UNIT CT1B	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.3003	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2901	GEN336167 1-GULF OXY U1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2901	GEN336168 1-GULF OXY U2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2901	GEN336169 1-GULF OXY U3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2831	GEN560623 1-ASGI-10-01 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50303	126.2704	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50075	126.2684	WRTOD400	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2648	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50081	126.2643	CIRCLE - MULLEREGREN 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2561	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50093	126.253	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	126.2478	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2473	GEN335570 1-CARVILLE CTG	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2473	GEN335571 1-CARVILLE UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	126.2456	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	126.245	SPP-SWPS-02	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2316	GEN335075 1-DYNEGY#1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2316	GEN335076 1-DYNEGY UNIT2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50093	126.2242	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50074	126.2226	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2225	GEN335572 1-CARVILLE STG	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.501	126.2162	MULLEREGREN - SPEARVILLE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50303	126.2148	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2071	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2054	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50198	126.2053	BENTON - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.205	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50181	126.2024	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2014	GEN514912 2-REBUD GEN	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.2012	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.1973	GEN645011 1-NEBRASKA CITY 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50096	126.1827	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50157	126.1806	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.1791	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.1791	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50165	126.1774	OGE3TERM1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.1509	GEN506752 1-LEBROCK GAS 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50157	126.1317	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50129	126.1214	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50157	126.0986	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50113	126.0825	AXTELL - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50183	126.0666	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0606	GEN520812 1-ANADRK5	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0591	GEN337954 1-LYNCH UNIT #3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50115	126.0504	SPP-WEPL-03	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50115	126.0504	SPP-WERE-34	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0485	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50115	126.0451	SPP-MKEC-05	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0344	GEN338513 1-BAILEY UNIT #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50115	126.0311	SPP-WEPL-03A	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0222	GEN549890 1-SOUTHWEST 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0167	GEN335201 1-NELSON UNIT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	126.0033	GEN511836 1-NORTHEASTERN STATION #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9951	GEN520813 1-ANADRK6	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9751	GEN338510 1-1S1KNWRI	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9751	GEN338511 1-1C7KNWRI	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50088	125.9694	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9667	GEN334456 1-CONOCO UNIT#1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	125.9537	SPP-SWPS-02A	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5013	125.9489	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50079	125.9433	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5008	125.9427	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50181	125.9408	LATHAMS7 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50107	125.9408	MOORE - PAULINE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9305	GEN511851 1-COMANCHE #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.92	GEN335202 1-NELSON UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50088	125.9178	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9071	GEN520811 1-ANADRK4	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50115	125.9068	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.9029	GEN503900 1-FITZHUGH CT1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8963	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8882	GEN546702 1-NM GEN N1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8873	GEN337124 5-LS POWER BATESVILLE	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.88	GEN560645 1-ASGI-10-09 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8721	GEN511843 1-RIVERSIDE STATION #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.862	GEN300016 1-1G1GPDEL 18.000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.862	GEN300017 1-1G2GPDEL 18.000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8589	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8525	GEN506749 1-EASTMAN GENERATION A	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8444	GEN509409 1-WILKES #3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8414	GEN547656 1-STATE LINE UNIT #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	125.8391	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50082	125.8367	PUTNAM - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5007	125.8363	CIMARRON - EL RENO 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	125.8212	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50156	125.8183	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.818	GEN335137 C4-PPG	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50082	125.8157	HAMON BUTLER - PUTNAM 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50082	125.8148	ARAPAHO - HAMON BUTLER 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50082	125.8113	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.8109	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50058	125.7965	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50107	125.7934	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50089	125.7864	KNOBHILL - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50075	125.7814	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7807	GEN334467 1-DUPONT UNIT#1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50082	125.7786	CORDELL - INDUSTRIAL PARK 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7673	GEN500915 3-WESTERN KRAFT	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50047	125.7617	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50089	125.7576	HELENA TAP - SALINE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7553	GEN599891 1-OKLAUN	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7506	GEN334335 1-TOLEDO BEND	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50113	125.7444	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5015	125.7437	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7428	GEN335546 3-DOW COGEN	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50075	125.7421	CANTON - TALOGA 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50037	125.7411	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50047	125.7383	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7274	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7274	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7274	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7274	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7266	GEN521214 1-BLUCAN2 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	125.7244	HINTON - WEATHERFORD JCT. 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5006	125.7218	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7171	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7116	GEN336176 1-UNION CARBIDE COGEN GT1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7116	GEN336177 1-UNION CARBIDE COGEN GT2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7109	GEN560169 1-G08-13 0.5750	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50075	125.7045	CANTON - OKEENE 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.7043	GEN335644 1-EXXON UNITS	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50089	125.6945	GOLTRY - HELENA TAP 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50076	125.6916	OKEENE - WATONGA SW 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.6915	GEN511853 1-COMANCHE #3	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	125.6879	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50052	125.6874	CHILDRESS - LAKE PAULINE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.6865	GEN511852 1-COMANCHE #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50044	125.6846	FIELD NORTH - LKFLDXL3 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.6789	GEN337054 1-GREENWOOD	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50047	125.6786	SPP-SWPS-T54	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50047	125.6776	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50089	125.6767	GOLTRY - IMO 69KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50047	125.6761	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49872	125.6664	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50038	125.648	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50052	125.6258	BROOKLINE - MORGAN 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.6037	GEN560603 1-G07-06 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.501	125.6019	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.2435	BASE CASE	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.2435	NC1_GEN-NEBRASKA CITY 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50194	125.136	DBL-THIS-CLR	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.0274	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	125.0061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.9022	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50042	124.8966	KILDARE4 - WHITE EAGLE 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.89	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.8765	GEN562014 1-G11_023_3 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49951	124.8637	SPP-AEPW-01	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49873	124.8617	MUSKOGEE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.8495	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50032	124.8428	LACYGNE - WEST GARDNER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.8392	GEN560585 1-G06-44-2 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50035	124.8359	SPP-WERE-07	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50033	124.8277	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	124.8258	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49972	124.8227	CLEVELAND - TULSA NORTH 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.8216	GEN560173 1-G08-17 0.5750	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50035	124.8097	OGE3TERM7	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50028	124.8094	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50043	124.7894	BBHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50043	124.7782	AMRN_OUT55	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49997	124.7759	DELAWARE - NEOSHO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50011	124.7659	GRDA-OPGD-05	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50053	124.7461	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	124.7408	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	124.7407	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.735	GEN560170 1-G08-16 34.500	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.7174	GEN524286 1-CLR_3 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4967	124.7117	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6986	GEN560595 1-G06-47 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6976	GEN560592 1-G06-45 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6959	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6959	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50035	124.6792	SPP-WERE-07B	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6645	GEN560586 1-G06-44-3 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49969	124.6641	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6567	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49942	124.6563	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50044	124.6536	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.6414	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50044	124.5907	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.5823	GEN560256 1-G10-14-1 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.5768	GEN560105 1-G08-22 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.5685	GEN560257 1-G10-14-2 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.5672	GEN560279 1-G08-18 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49851	124.5262	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49862	124.5114	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49862	124.511	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.4955	GEN562042 1-G11_014_3 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	124.4862	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50011	124.4825	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.4771	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49882	124.4535	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50211	124.4329	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49949	124.4324	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50211	124.4302	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.398	GEN560359 1-G08-51 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49789	124.3903	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.3501	GEN560166 1-G07-48 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49841	124.3446	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.3381	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.3318	GEN560598 1-G06-49 0.6000	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.3209	GEN560570 1-G06-39 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49872	124.2829	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.2823	GEN562017 1-G11_022_3 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.2701	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.2699	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.2587	GEN527162 1-MUSTANG GEN #2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49941	124.2137	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49999	124.1651	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49851	124.1621	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48854	124.1504	NORTHWEST - SPRING CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48854	124.1473	SOONER - SPRING CREEK 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49819	124.1398	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.1373	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.0888	GEN515790 1-FPLWND2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.0682	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	124.0115	GEN527161 1-MUSTANG GEN #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	124.0109	GEN335831 1-RIVERBEND UNIT#1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.998	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48913	123.9588	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50832	123.8393	THISTLE 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50832	123.8393	THISTLE 7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.7633	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4961	123.6981	GRACEMONT - MINCO 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.6888	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.6781	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53139	123.5752	DBL-HTCH-BVR	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53139	123.5752	DBL-HTCH-BVR	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.5251	GEN526331 1-JONES GEN #1 22 KV	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.5216	GEN526332 1-JONES GEN #2 21 KV	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.4035	GEN515397 1-OUSPRT 1 34.500	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	123.2889	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.2881	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.1076	GEN515364 1-CENT 11 0.6000
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	123.0003	GEN560180 1-G07-51 0.6000
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	122.9398	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50283	122.7314	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49615	122.6968	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50887	122.4971	DBL-FINY-HOL
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	122.4509	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	122.4416	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	122.4201	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	122.4194	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	122.3272	GEN515393 1-OGEWND2G
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	122.2912	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	122.2883	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	122.2169	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48003	122.1911	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.51225	122.1693	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.51225	122.1342	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.9923	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.9412	GEN501801 1-DOLET HILLS UNIT1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50136	121.6877	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.3087	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.2749	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	121.264	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	121.264	GEN560224 1-G07-62-4 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.2229	GEN337041 1-GERALD ANDRUS
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	121.1414	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	121.1414	GEN560222 1-G07-62-2 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.1372	GEN501813 1-RODEMACHER UNIT 3
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	121.1328	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50887	121.1227	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50584	121.036	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	121.0062	GEN509403 1-PIRKEY GENERATION
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.9544	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.9485	GEN514805 1-SOONER UNIT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.9067	GEN520947 1-HUGO1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.8617	GEN515226 1-MUSKOGEE 6G
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50136	120.8112	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.7915	GEN338388 1-1PLUMPT 23.000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.7785	GEN509416 1-TURK GENERATION
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.7158	GEN336831 1-BAXTER WILSON SES
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.5975	GEN501812 1-RODEMACHER UNIT 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.5581	GEN335206 1-NELSON UNIT 6
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	120.4955	GEN560429 1-G08-29 0.6400
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.4553	GEN515225 1-MUSKOGEE 5G
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.4546	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.3596	GEN335204 1-NELSON UNIT 4
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.3255	GEN515042 1-SEMINOLE 3G
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.3084	GEN334440 1-SABINE UNIT 4
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	120.2863	GEN515450 1-CRSRDW21 34.500
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	120.2672	GEN515449 1-CRSRDW11 34.500
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.1744	GEN509406 1-WELSH #3
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.1743	GEN509404 1-WELSH #1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.1743	GEN509405 1-WELSH #2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	120.0875	GEN512688 2-GRDA1 GSU2 22
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.9942	GEN509394 1-FLINT CREEK
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.9659	GEN560323 1-G10-40 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50283	119.8767	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.8536	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.8365	GEN334441 1-SABINE UNIT 5
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.8071	GEN511839 1-NORTHEASTERN STATION #2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50887	119.7887	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50222	119.7354	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.7074	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.646	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50584	119.5052	FPL SWITCH - WOODWARD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50283	119.5025	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.4365	GEN512689 1-GRDA1 GSU1 22	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50221	119.4004	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50166	119.3781	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50221	119.3412	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	119.3403	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	119.3397	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50222	119.3057	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50166	119.2923	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50284	119.2719	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.2496	GEN515041 1-SEMINOLE 2G	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50236	119.2281	MINGO - SETAB 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.1871	GEN515040 1-SEMINOLE 1G	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	119.1643	GEN560687 1-G11-007 0.5750	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50317	119.1133	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	118.9958	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	118.9958	GEN562026 1-G11_019_3 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.958	GEN336170 1-GULF OXY U4	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.8315	GEN300006 1-NEW MADRID UNIT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.8245	GEN300007 1-NEW MADRID UNIT 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.7764	GEN514911 2-REDBUD GEN	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.7763	GEN514910 2-REDBUD GEN	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50102	118.7721	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50102	118.7387	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.7164	GEN514942 2-REDBUD4G	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.7047	GEN515443 1-MNCOWND1 34.500	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49893	118.6042	SPP-SWPS-03	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.5509	GEN334070 1-LEWIS CREEK 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.5436	GEN514905 1-REDBUD3S	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.5422	GEN514899 1-REDBUD1S	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49563	118.5418	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50174	118.5323	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.5218	GEN334071 1-LEWIS CREEK 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.5108	GEN514900 1-REDBUD2S	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50132	118.4764	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50132	118.4583	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.4355	GEN542956 2-LACYGNE UNIT #2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.4341	GEN542955 1-LACYGNE UNIT #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53139	118.4208	DBL-BVR-WWRD	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.3953	GEN501823 1-TECHE UNIT 3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49758	118.3632	G08-13T 345.00 - WOODRING 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50099	118.3584	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	118.3446	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.3246	GEN334431 1-SABINE UNIT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.3246	GEN334432 1-SABINE UNIT 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50174	118.3088	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.3086	GEN542962 2-IATAN UNIT #2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49999	118.2821	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	118.2759	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.2754	GEN549893 2-SOUTHWEST 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49919	118.261	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.2516	GEN501910 1-ACADIA UNIT ST1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.2195	GEN511938 1-OEC STEAM # 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.2158	GEN505432 1-SIKESTON	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.1786	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.1344	GEN334030 1-FRONTIER UNIT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.1344	GEN334031 1-FRONTIER UNIT 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0973	GEN542957 1-IATAN UNIT #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0938	GEN318007 1-5MOROW161 161.00	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0787	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0787	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0669	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50293	118.0654	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0578	GEN560636 1-ASGI-10-06 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49903	118.0152	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0131	GEN542951 5-HAWTHORN UNIT #5	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0076	GEN337125 6-LS POWER BATESVILLE	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0034	GEN337428 1-PERYVILLE UNIT #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	118.0034	GEN337430 1-PERYVILLE UNIT #3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50205	117.9975	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9939	GEN515266 1-AES 1G	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9939	GEN515267 1-AES 2G	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9921	GEN337006 1-DUKE MCADAMS G1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9921	GEN337007 1-DUKE MCADAMS G2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9882	GEN645012 2-NEBRASKA CITY 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9773	GEN337429 1-PERYVILLE UNIT #2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9728	GEN337432 1-PERYVILLE UNIT #5	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9686	GEN337008 1-DUKE MCADAMS S1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50079	117.9664	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50205	117.9448	DEWEY - IODINE 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50497	117.9436	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.938	GEN335203 1-NELSON UNIT 3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50012	117.9229	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9171	GEN547649 1-ASBURY UNIT #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9123	GEN336944 1-REX BROWN	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9017	GEN501911 1-ACADIA UNIT CT1A	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.9017	GEN501912 1-ACADIA UNIT CT1B	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	117.9011	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	117.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	117.8988	SPP-SWPS-02	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8973	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8967	GEN336167 1-GULF OXY U1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8967	GEN336168 1-GULF OXY U2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8967	GEN336169 1-GULF OXY U3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	117.8955	SPP-MKEC-08	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50012	117.8854	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49978	117.8735	WRTOD400	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8691	GEN560623 1-ASGI-10-01 0.6000	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50007	117.8674	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8646	GEN334392 1-EXXON MOBIL IPP 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50085	117.8613	CANEYRV7 345.00 - NEOSHO 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8553	GEN335570 1-CARVILLE CTG	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8553	GEN335571 1-CARVILLE UNIT #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8456	GEN300003 1-THOMAS HILL UNIT 3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49983	117.8411	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8407	GEN335075 1-DYNEGY#1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8407	GEN335076 1-DYNEGY UNIT2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8312	GEN335572 1-CARVILLE STG	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49976	117.8304	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8238	GEN645011 1-NEBRASKA CITY 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8121	GEN514912 2-REDBUD GEN	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8066	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8063	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8061	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8059	GEN511837 1-NORTHEASTERN STATION # 1-1A	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8059	GEN511838 1-NORTHEASTERN STATION # 1-1B	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.8029	GEN338500 1-MCCLELLAN UNIT #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.7956	GEN560706 1-G11-010 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49515	117.7931	CIMARRON - MINCO 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.784	GEN506752 1-LEBROCK GAS 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49985	117.7595	CIRCLE - MULLERGREIN 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50098	117.7572	BENTON - ROSE HILL 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50085	117.7481	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50004	117.7245	MULLERGREIN - SPEARVILLE 230KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49996	117.7171	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50032	117.7072	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49996	117.6941	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.684	GEN520812 1-ANADRK5	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.6776	GEN645001 1-FORT CALHOUN 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.6727	GEN337954 1-LYNCH UNIT #3	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49758	117.6656	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49999	117.664	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.6552	GEN549890 1-SOUTHWEST 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50293	117.6535	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50497	117.6485	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.6413	GEN338513 1-BAILEY UNIT #1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.6322	GEN511836 1-NORTHEASTERN STATION #1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.626	GEN335201 1-NELSON UNIT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50019	117.6115	SPP-WEPL-03
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50019	117.6115	SPP-WERE-34
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50019	117.6102	SPP-MKEC-05
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50017	117.6101	AXTELL - PAULINE 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49894	117.5896	SPP-SWPS-02A
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5853	GEN338510 1-1S1KNWRI
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5853	GEN338511 1-1C7KNWRI
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5006	117.5801	DOVER SW - HENESSEY 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5782	GEN334456 1-CONOCO UNIT#1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5725	GEN511851 1-COMANCHE #1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.567	GEN520813 1-ANADRK6
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50069	117.5579	OGE3TERM1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49983	117.5563	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5504	GEN520811 1-ANADRK4
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5388	GEN335202 1-NELSON UNIT 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5359	GEN503900 1-FITZHUGH CT1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5006	117.5331	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	117.527	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50032	117.5226	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5155	GEN335612 1-WILLOW GLENN UNIT#2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5153	GEN546702 1-NM GEN N1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50019	117.501	SPP-WEPL-03A
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.5006	GEN337124 5-LS POWER BATESVILLE
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5006	117.5005	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.494	GEN511843 1-RIVERSIDE STATION #2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4878	GEN506749 1-EASTMAN GENERATION A
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50011	117.4858	MOORE - PAULINE 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4852	GEN560645 1-ASGI-10-09 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50019	117.4823	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4799	GEN509409 1-WILKES #3
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49993	117.4797	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4792	GEN335611 1-WILLOW GLENN UNIT#1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50085	117.4778	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4759	GEN300016 1-1G1GPDEL 18.000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4759	GEN300017 1-1G2GPDEL 18.000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49983	117.4745	KNOLL 230 - SMOKYH16 230.00 230KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50089	117.4734	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4593	GEN547656 1-STATE LINE UNIT #2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.44	GEN335137 C4-PPG
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50034	117.4297	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50016	117.4283	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49937	117.4229	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4143	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4025	GEN334467 1-DUPONT UNIT#1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5001	117.4023	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.4018	GEN599891 1-OKLAUN
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3874	GEN500915 3-WESTERN KRAFT
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3771	G08-19 345.00 345/34.5KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3771	G08-19 345.00 345/34.5KV TRANSFORMER CKT 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3711	GEN334335 1-TOLEDO BEND
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.3697	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3671	GEN335546 3-DOW COGEN
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3647	GEN521214 1-BLUCAN2 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49961	117.3643	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49978	117.3598	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49985	117.3562	PUTNAM - TALOGA 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50062	117.3496	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.3476	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3476	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3476	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3476	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3476	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4994	117.347	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3377	GEN511853 1-COMANCHE #3
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49985	117.3375	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49985	117.3368	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3368	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3368	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3333	GEN511852 1-COMANCHE #2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49985	117.3326	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3319	GEN300002 1-THOMAS HILL UNIT 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49973	117.3307	CIMARRON - EL RENO 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3292	GEN560169 1-G08-13 0.5750
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3259	GEN335644 1-EXXON UNITS
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49937	117.3158	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4994	117.3148	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49949	117.3101	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49847	117.3096	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49992	117.3095	KNOBHILL - SALINE 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49947	117.3094	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49985	117.3062	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.3048	GEN337054 1-GREENWOOD
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49963	117.2955	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49955	117.2906	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.2905	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.2893	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49978	117.2861	CANTON - TALOGA 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49992	117.2839	HELENA TAP - SALINE 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50053	117.2822	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49937	117.2817	Canadian Pump Station - HINTON 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.2811	SPP-SWPS-T54
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2701	GEN506753 1-LEBROCK GAS 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4994	117.27	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49955	117.2611	BROOKLINE - MORGAN 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49978	117.2564	CANTON - OKEENE 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2548	GEN334458 1-CONOCO UNIT#3
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49979	117.251	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2468	GEN334282 1-SAM RAYBURN 4
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2452	GEN560118 1-G08-46 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2429	GEN300001 1-THOMAS HILL UNIT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49956	117.2421	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2398	GEN549899 5-JAMES RIVER 5
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.235	GEN335640 1-ENCO
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49949	117.2325	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.2291	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49948	117.2273	MARSHALL - WOODRING 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	117.2255	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	117.2237	GEN560603 1-G07-06 0.6000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49973	117.2202	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49948	117.2188	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4994	117.2171	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50004	117.207	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.8844	BASE CASE
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.8844	NC1_GEN-NEBRASKA CITY 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50099	116.8464	DBL-THIS-CLR
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49944	116.6614	ARCADIA (ARCADIA3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49944	116.6405	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.5641	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.5604	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49944	116.5534	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.5422	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.539	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.5312	GEN562014 1-G11_023_3 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.5231	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49895	116.5212	DELAWARE - NEOSHO 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49875	116.5173	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.5097	GEN560585 1-G06-44-2 0.6000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.508	SPP-WERE-07
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49935	116.5048	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.5033	KILDARE4 - NEWKIRK4 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.4963	GEN560173 1-G08-17 0.5750	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49908	116.4948	OGE3TERM14	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.4867	OGE3TERM7	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49937	116.4853	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49931	116.4754	LACYGNE - STILWELL 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49739	116.4616	G08-127T 345.00 - SOONER 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49946	116.4459	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49914	116.4393	GRDA-OPGD-05	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49946	116.4351	AMRN_OUT55	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.4266	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.4266	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.4216	GEN560170 1-G08-16 34.500	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.405	GEN524286 1-CLR_3 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49955	116.4033	CLARKSVILLE - MUSKOGEE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49845	116.4001	FT SMITH - MUSKOGEE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50113	116.3952	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3885	GEN560595 1-G06-47 0.6000	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3876	GEN560592 1-G06-45 0.6000	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3773	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3773	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49872	116.3772	CLEVELAND - SOONER 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49936	116.3652	SPP-WERE-07B	
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	116.3503	GEN560648 1-G07-21 0.5750	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3493	GEN560586 1-G06-44-3 0.6000	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3466	GEN560371 1-G07-46 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.3184	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49947	116.3169	DELL 500 - INDEPENDENCE 500KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49758	116.3	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.2879	GEN560105 1-G08-22 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.272	GEN560256 1-G10-14-1 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.2653	GEN560279 1-G08-18 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48747	116.2652	NORTHWEST - SPRING CREEK 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48747	116.2637	SOONER - SPRING CREEK 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.2594	GEN560257 1-G10-14-2 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49947	116.2527	KEO EHV - WEST MEMPHIS 500 500KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49785	116.2299	PITTSBURG - VALLIANT 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49692	116.2298	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50114	116.2189	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49768	116.1868	ARCADIA - HORSESHOE LAKE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49768	116.1863	HORSESHOE LAKE - SEMINOLE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.1857	GEN562042 1-G11_014_3 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49913	116.1802	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.1685	GEN523103 1-NOBLE_WND 3115.00	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49853	116.1172	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.1139	GEN560359 1-G08-51 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49739	116.1125	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.1089	GEN515790 1-FPLWWD2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.0726	GEN520922 1-SLEEPING BEAR	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.0722	GEN560166 1-G07-48 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.0476	GEN560570 1-G06-39 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.047	GEN560598 1-G06-49 0.6000	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.0429	GEN515389 1-TLGAWND1 34.500	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49747	116.0321	CIMARRON - DRAPER LAKE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	116.0251	GEN560121 1-G08-47 0.5750	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.9969	GEN562017 1-G11_022_3 0.6900	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4972	115.9813	PITTSBURG - SEMINOLE 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.9694	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.9693	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.9608	GEN527162 1-MUSTANG GEN #2	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49897	115.9214	DELAWARE - NORTHEAST STATION 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49845	115.8908	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.8552	GEN562020 1-G11_021_3 0.6900	
FDNS	2	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53199	115.8542	DBL-WICH-THI	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.729	GEN527161 1-MUSTANG GEN #1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48824	115.6897	ARCADIA - NORTHWEST 345KV CKT 1	
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49515	115.6461	GRACEMONT - MINCO 345KV CKT 1	
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50097	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.5707	GEN515397 1-OUSPRT 1 34.500
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.495	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.4751	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.4651	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.341	GEN515364 1-CENT 11 0.6000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.2842	GEN560180 1-G07-51 0.6000
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.2575	GEN526331 1-JONES GEN #1 22 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	115.2535	GEN526332 1-JONES GEN #2 21 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.9363	GEN531447 1-HOLCOMB GENERATOR
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.7785	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.7552	GEN515393 1-OGEWIND2G
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49513	114.6495	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.2172	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.197	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.1963	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	114.1206	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	113.9892	GEN336821 1-GRAND GULF UNIT
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	113.9188	GEN560223 1-G07-62-3 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	113.9188	GEN560224 1-G07-62-4 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	113.8481	GEN560221 1-G07-62-1 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	113.8481	GEN560222 1-G07-62-2 0.6900
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52005	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52005	113.552	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	113.4166	GEN560429 1-G08-29 0.6400
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.47911	113.394	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	112.9545	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	112.7067	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49387	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	112.2585	GEN335831 1-RIVERBEND UNIT#1
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	112.2034	GEN515450 1-CRSRDW21 34.500
FDNS	2	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5726	112.2028	DBL-THIS-WWR
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	112.1907	GEN515449 1-CRSRDW11 34.500
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	112.1884	GEN562023 1-G11_020_3 0.6900
FDNS	01G11_024	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49945	112.1884	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	112.059	GEN560175 1-G07-44 0.5750
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	111.9442	GEN562010 1-G11_024_3 0.6900
FDNS	01ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50041	111.7538	GEN560282 1-G08-19 0.6000
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49387	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	111.4691	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50798	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50798	111.4137	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	110.6533	GEN337652 1-WHITE BLUFF UNIT #1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	110.5045	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	110.4315	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50247	110.3424	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	110.1938	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	110.1359	GEN501801 1-DOLET HILLS UNIT1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53107	110.066	DBL-HTCH-BVR
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53107	110.066	DBL-HTCH-BVR
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50856	109.8276	DBL-FINY-HOL
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.51189	109.7284	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.51189	109.7102	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.5453	GEN336251 1-NINEMILE POINT UNIT#4
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50097	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.4642	GEN337041 1-GERALD ANDRUS
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.4089	GEN514806 1-SOONER UNIT 2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.3518	GEN501813 1-RODEMACHER UNIT 3
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.2629	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.2486	GEN509403 1-PIRKEY GENERATION
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.1015	GEN514805 1-SOONER UNIT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.0925	GEN520947 1-HUGO1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.0433	GEN515226 1-MUSKOGEE 6G
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.0294	GEN338388 1-1PLUMPT 23.000
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	109.0174	GEN509416 1-TURK GENERATION
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	108.9543	GEN336831 1-BAXTER WILSON SES
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	108.8143	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	108.8035	GEN336821 1-GRAND GULF UNIT

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.7774	GEN335206 1-NELSON UNIT 6
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50548	108.774	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50097	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.644	GEN515225 1-MUSKOGEE 5G
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.6433	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.51444	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.51444	108.5899	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50856	108.5823	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.5798	GEN335204 1-NELSON UNIT 4
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.5274	GEN334440 1-SABINE UNIT 4
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.4996	GEN515042 1-SEMINOLE 3G
FDNS	01G11_024		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49945	108.4427	GEN560648 1-G07-21 0.5750
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.4123	GEN509406 1-WELSH #3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.4122	GEN509404 1-WELSH #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.4122	GEN509405 1-WELSH #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.3212	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	108.2512	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.2359	GEN509394 1-FLINT CREEK
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.1333	GEN560323 1-G10-40 0.6900
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.092	GEN336801 1-BAXTER WILSON UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.0576	GEN334441 1-SABINE UNIT 5
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	108.0427	GEN511839 1-NORTHEASTERN STATION #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.9441	GEN511840 1-NORTHEASTERN STATION #3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.8825	GEN511841 1-NORTHEASTERN STATION #4
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50247	107.8219	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5025	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5025	107.7247	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.6699	GEN512689 1-GRDA1 GSU1 22
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50188	107.6516	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	107.571	GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50247	107.4683	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.4413	GEN515041 1-SEMINOLE 2G
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49858	107.4082	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49858	107.4077	ELK CITY 230KV (ELCKTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50185	107.378	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50856	107.3752	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5013	107.3649	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.3622	GEN560687 1-G11-007 0.5750
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50548	107.3518	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50185	107.3238	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5013	107.2867	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50188	107.2521	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.186	GEN336170 1-GULF OXY U4
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50203	107.18	MINGO - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50282	107.1704	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50251	107.1628	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	107.1492	GEN335831 1-RIVERBEND UNIT#1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.0935	GEN515040 1-SEMINOLE 1G
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.071	GEN300006 1-NEW MADRID UNIT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	107.0643	GEN300007 1-NEW MADRID UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.969	GEN514910 2-REDBUD GEN
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.969	GEN514911 2-REDBUD GEN
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.91	GEN514942 2-REDBUD4G
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.9067	GEN515443 1-MNCOWND1 34.500
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50067	106.8179	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49524	106.8101	CIMARRON - G11-007T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50067	106.7877	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7743	GEN334070 1-LEWIS CREEK 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7452	GEN334071 1-LEWIS CREEK 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7406	GEN514905 1-REDBUD3S
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7392	GEN514899 1-REDBUD1S
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7277	GEN542956 2-LACYGNE UNIT #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7262	GEN542955 1-LACYGNE UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49857	106.7243	SPP-SWPS-03
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.7084	GEN514900 1-REDBUD2S
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49717	106.6512	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.6259	GEN542962 2-IATAN UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.6213	GEN501823 1-TECHE UNIT 3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50141	106.5725	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.5559	GEN334431 1-SABINE UNIT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.5559	GEN334432 1-SABINE UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.5303	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.5228	GEN549893 2-SOUTHWEST 2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50096	106.5186	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50096	106.5047	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49858	106.4868	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.4787	GEN501910 1-ACADIA UNIT ST1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.4531	GEN505432 1-SIKESTON
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.4487	GEN511938 1-OEC STEAM # 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50064	106.4439	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.4057	GEN542957 1-IATAN UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49883	106.4037	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49958	106.4005	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3571	GEN334030 1-FRONTIER UNIT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3571	GEN334031 1-FRONTIER UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49964	106.343	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50141	106.3357	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3277	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3245	GEN318007 1-5MOROW161 161.00
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3131	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3131	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3026	GEN542951 5-HAWTHORN UNIT #5
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.3013	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)
FDNS	02ALL	1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	106.2965	GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2779	GEN560636 1-ASGI-10-06 0.6900
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2382	GEN337125 6-LS POWER BATESVILLE
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2367	GEN337428 1-PERVILLE UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2367	GEN337430 1-PERVILLE UNIT #3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49866	106.2264	LACYGNE - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2231	GEN337006 1-DUKE MCADAMS G1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2231	GEN337007 1-DUKE MCADAMS G2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2161	GEN515266 1-AES 1G
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2161	GEN515267 1-AES 2G
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2061	GEN337429 1-PERVILLE UNIT #2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.2059	GEN337432 1-PERVILLE UNIT #5
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1995	GEN337008 1-DUKE MCADAMS S1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1787	GEN541151 3-SIBLEY GENERATING UNIT #3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1664	GEN335203 1-NELSON UNIT 3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1655	GEN560623 1-ASGI-10-01 0.6000
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1564	GEN547649 1-ASBURY UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1474	GEN645011 1-NEBRASKA CITY 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1453	GEN336944 1-REX BROWN
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1307	GEN501911 1-ACADIA UNIT CT1A
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1307	GEN501912 1-ACADIA UNIT CT1B
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1301	GEN336167 1-GULF OXY U1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1301	GEN336168 1-GULF OXY U2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1301	GEN336169 1-GULF OXY U3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1299	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1296	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.1278	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50258	106.1151	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0956	GEN300003 1-THOMAS HILL UNIT 3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0923	GEN334392 1-EXXON MOBIL IPP 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0883	GEN335570 1-CARVILLE CTG
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0883	GEN335571 1-CARVILLE UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0721	GEN335075 1-DYNEGY#1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0721	GEN335076 1-DYNEGY UNIT2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50044	106.0671	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49977	106.0646	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	106.0642	GEN335572 1-CARVILLE STG
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49858	106.0629	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49858	106.0619	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50169	106.061	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49858	106.0607	SPP-SWPS-02

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49943	106.0515	WRTOD400
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.0368	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.0368	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.0303	GEN338500 1-MCCLELLAN UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49977	106.0294	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5005	106.0246	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.0223	GEN514912 2-REDBUD GEN
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.0175	GEN506752 1-LEBROCK GAS 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50006	106.0154	SPP-MKEC-08
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	106.0126	GEN560706 1-G11-010 0.6900
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50169	106.0117	DEWEY - IODINE 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49973	106.0117	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49941	106.0105	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.9897	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49481	105.9808	CIMARRON - MINCO 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49717	105.9777	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49948	105.9718	SMOKEYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50062	105.9192	BENTON - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.9114	GEN520812 1-ANADRK5
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50463	105.9055	G11-021T 345.00 - Hitchland Interchange 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5005	105.9032	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.903	GEN337954 1-LYNCH UNIT #3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49951	105.8966	CIRCLE - MULLERGEN 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8941	GEN549890 1-SOUTHWEST 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8716	GEN338513 1-BAILEY UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49969	105.87	MULLERGEN - SPEARVILLE 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8624	GEN511836 1-NORTHEASTERN STATION #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8533	GEN335201 1-NELSON UNIT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49997	105.8448	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49961	105.8354	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49961	105.8171	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8138	GEN338510 1-1S1KNWRI
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8138	GEN338511 1-1C7KNWRI
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8067	GEN511851 1-COMANCHE #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.8051	GEN334456 1-CONOCO UNIT#1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49964	105.7878	GRAY CO 345.00 - HOLCOMB 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7864	GEN520811 1-ANADRK4
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7839	GEN546702 1-NM GEN N1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7688	GEN335202 1-NELSON UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7675	GEN520813 1-ANADRK6
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7668	GEN503900 1-FITZHUGH CT1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49858	105.7666	SPP-SWPS-02A
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49984	105.7658	SPP-WEPL-03
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49984	105.7658	SPP-WERE-34
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49984	105.762	SPP-MKEC-05
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49982	105.7603	AXTELL - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49948	105.747	HOYT - STRANGER CREEK 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7457	GEN335612 1-WILLOW GLENN UNIT#2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7422	GEN560645 1-ASGI-10-09 0.6900
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50025	105.7342	DOVER SW - HENESSEY 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7304	GEN337124 5-LS POWER BATESVILLE
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50258	105.7228	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7182	GEN506749 1-EASTMAN GENERATION A
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7145	GEN511843 1-RIVERSIDE STATION #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7104	GEN509409 1-WILKES #3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7092	GEN335611 1-WILLOW GLENN UNIT#1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50034	105.7082	OGE3TERM1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7074	GEN599891 1-OKLAUN
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7063	GEN300016 1-1G1GPDEL 18.000
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.7063	GEN300017 1-1G2GPDEL 18.000
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49958	105.7047	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.6919	GEN547656 1-STATE LINE UNIT #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50025	105.6893	HENESSEY - WAUKOMIS 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50283	105.6818	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.6759	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49997	105.6736	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49984	105.6715	SPP-WEPL-03A

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY			
							(MVA)	TDF	(% MVA)					
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.6689	GEN335137 C4-PPG
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49958	105.6541	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49976	105.649	MOORE - PAULINE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49984	105.6482	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.5005	105.6451	LATHAM57 345.00 - ROSE HILL 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50025	105.6416	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49948	105.6307	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.6294	GEN334467 1-DUPONT UNIT#1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50463	105.6232	BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.6161	GEN500915 3-WESTERN KRAFT
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49902	105.6123	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.6	GEN334335 1-TOLEDO BEND
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49975	105.5997	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5991	GEN335546 3-DOW COGEN
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49981	105.5988	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5958	GEN521214 1-BLUCAN2 0.6900
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50055	105.5909	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49999	105.5853	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5788	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5788	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5788	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5788	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5748	GEN532722 1-EVANS ENERGY CENTER UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5736	GEN511853 1-COMANCHE #3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5732	GEN300002 1-THOMAS HILL UNIT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5698	GEN511852 1-COMANCHE #2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5685	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5685	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49915	105.5562	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.556	GEN335644 1-EXXON UNITS
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5546	GEN560169 1-G08-13 0.5750
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49812	105.5469	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.5369	GEN337054 1-GREENWOOD
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49915	105.5354	MCCLELLAN SUB - MCLEAN RURAL SUB 115KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49905	105.5326	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49926	105.5322	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49904	105.5291	NORTHEAST STATION - ONETA 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49943	105.5277	DEAF SMITH COUNTY INTERCHANGE - S-RANDLCO 230.00 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49938	105.5196	CIMARRON - EL RENO 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49912	105.5086	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49914	105.5048	MORISIN74 138.00 - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49902	105.5047	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50028	105.5033	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.4997	GEN506753 1-LEBROCK GAS 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.4932	GEN560603 1-G07-06 0.6000
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49958	105.4891	KNOBHILL - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.4835	GEN334458 1-CONOCO UNIT#3
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4992	105.4833	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49915	105.4819	MCLEAN RURAL SUB - SHAMROCK 115KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.4815	GEN300001 1-THOMAS HILL UNIT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49915	105.4808	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49929	105.4793	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	02ALL	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	105.4781	GEN337652 1-WHITE BLUFF UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4995	105.4771	PUTNAM - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.4752	GEN334282 1-SAM RAYBURN 4
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49902	105.4725	Canadian Pump Station - HINTON 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49915	105.4714	SPP-SWPS-T54
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49943	105.4712	CANTON - TALOGA 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.471	GEN560118 1-G08-46 0.6900
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.47	GEN549899 5-JAMES RIVER 5
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4992	105.4664	BROOKLINE - MORGAN 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49958	105.4653	HELENA TAP - SALINE 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	105.4643	GEN335640 1-ENCO
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49905	105.4602	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4995	105.4599	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4995	105.4593	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4995	105.4579	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50018	105.4521	G11_012T 230.00 - MOORE COUNTY INTERCHANGE 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4458	GEN542954 3-MONTROSE UNIT #3
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49944	105.4433	OKEENE - WATONGA SW 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4423	GEN506750 1-EASTMAN GENERATION B
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49943	105.4417	CANTON - OKEENE 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49913	105.4367	MARSHALL - WOODRING 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49914	105.4365	BDANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4356	GEN338512 1-1S2KNWRI
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4346	GEN502438 1-DOC BONIN UNIT #2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4342	GEN502436 1-HARGIS2
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4995	105.4332	CORDELL - INDUSTRIAL PARK 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49921	105.4332	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.432	GEN338507 1-1C1KNWRI
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.432	GEN338508 1-1C3KNWRI
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.432	GEN338509 1-1C5KNWRI
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4312	GEN318009 1-2MOSEL 69 69.000
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49913	105.4286	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49888	105.4284	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49915	105.426	SHAMROCK - WELLINGTON 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4235	GEN560633 1-ASGI-10-05 0.6900
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4231	GEN542952 1-MONTROSE UNIT #1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49915	105.4227	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4199	MCELROY - STILLWATER 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.417	GEN505482 1-BEAVER
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49938	105.4108	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49958	105.4098	GOLTRY - HELENA TAP 69KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49905	105.4077	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4069	GEN505616 1-BROKEN BOW
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4062	GEN503305 1-CITY OF HOUMA SUB
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49969	105.4047	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.4013	GEN502435 1-HARGIS1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49918	105.3983	LAKEOVER - MCADAMS 500KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49922	105.3978	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS		1	0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49918	105.3943	AI43
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	105.3392	GEN338146 1-INDEPENDENCE UNIT #2
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	105.2653	GEN338143 1-INDEPENDENCE UNIT #1
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.493	105.2447	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.493	105.2433	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.1044	BASE CASE
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	105.1044	NC1_GEN-NEBRASKA CITY 1
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50015	105.0234	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	104.9855	GEN337653 1-WHITE BLUFF UNIT #2
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.53107	104.9734	DBL-BVR-WWRD
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	104.9459	GEN501801 1-DOLET HILLS UNIT1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50065	104.8628	DBL-SPRVL-CL
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49909	104.8539	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49698	104.8054	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.8008	GEN524895 1-SAN JUAN MESA WIND GEN
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.8	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.7932	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.7921	GEN562014 1-G11_023_3 0.6900
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49858	104.7918	DELAWARE - NEOSHO 345KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49909	104.7832	KILDARE4 - WHITE EAGLE 138KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.7664	GEN560173 1-G08-17 0.5750
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.7659	GEN560585 1-G06-44-2 0.6000
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49884	104.7558	CLEVELAND - TULSA NORTH 345KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.499	104.7441	LACYGNE - WEST GARDNER 345KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49901	104.7437	SPP-WERE-07
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49873	104.7396	OGE3TERM14
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.499	104.7314	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50065	104.7299	DBL-THIS-CLR
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49902	104.7192	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49896	104.7176	LACYGNE - STILWELL 345KV CKT 1
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49901	104.715	OGE3TERM7
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	104.6946	GEN560170 1-G08-16 34.500
FDNS	1		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49911	104.6887	8BHAM STEEL 500.00 - WEST MEMPHIS 500 500KV CKT 1
FDNS	02ALL		0	12G	G11_024	TO->FROM NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49298	104.6881	SPP-SWPS-03

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY					
							(MVA)	TDF	(% MVA)							
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.499	104.6856	CRESWELL - MIDLTNT4 138.00 138KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49879	104.6781	GRDA-OPGD-05		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49911	104.6779	AMRN_OUTSS		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6774	GEN524286 1-CLR 3	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.48709	104.6756	SOONER - SPRING CREEK 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.48709	104.6734	NORTHWEST - SPRING CREEK 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49809	104.665	FT SMITH - MUSKOGEE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6641	GEN560595 1-G06-47	0.6000	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6632	GEN560592 1-G06-45	0.6000	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.499	104.657	MIDLTNT4 138.00 - PECKHAM TAP 138KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.499	104.6566	NEWKIRK4 - PECKHAM TAP 138KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4992	104.6482	CLARKSVILLE - MUSKOGEE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6448	GEN560286 1-G10-01-1WTG	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6448	GEN560287 1-G10-01-2WTG	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49717	104.6419	SUMNERCO 345.00 - WICHITA 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49901	104.6274	SPP-WERE-07C		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6236	GEN560371 1-G07-46	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.6211	GEN560586 1-G06-44-3	0.6000	
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50015	104.6185	FPL SWITCH - WOODWARD 138KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49837	104.6117	CLEVELAND - SOONER 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49901	104.5974	SPP-WERE-07B		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.5929	GEN527163 1-MUSTANG GEN #3 22 KV		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50078	104.587	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV	TRANSFORMER	CKT 2
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.574	GEN560105 1-G08-22	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.5571	GEN560279 1-G08-18	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49912	104.5566	DELL 500 - INDEPENDENCE 500KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.5518	GEN560256 1-G10-14-1	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.5405	GEN560257 1-G10-14-2	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49749	104.5103	PITTSBURG - VALLIANT 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49657	104.505	GRACEMONT - LAWTON EASTSIDE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49912	104.4944	KEO EHV - WEST MEMPHIS 500 500KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.4722	GEN562042 1-G11_014_3	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.50078	104.4633	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV	TRANSFORMER	CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49734	104.4584	ARCADIA - HORSESHOE LAKE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.458	GEN523103 1-NOBLE_WND	3115.00	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49734	104.4539	HORSESHOE LAKE - SEMINOLE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49698	104.4489	G08-127T 345.00 - ROSE HILL 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49877	104.4333	CHAMBER SPRINGS - CLARKSVILLE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.4253	GEN515790 1-FPLWND2		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.4161	GEN560359 1-G08-51	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.3931	GEN520922 1-SLEEPING BEAR		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49818	104.3817	NORTHWEST (NORTWST3) 345/138/13.8KV	TRANSFORMER	CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.381	GEN560166 1-G07-48	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.3604	GEN515389 1-TLGAWND1	34.500	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.3577	GEN560570 1-G06-39	0.6900	
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	104.3559	GEN336251 1-NINEMILE POINT UNIT#4		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.3548	GEN560598 1-G06-49	0.6000	
FDNS	01G11_024		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49945	104.3311	GEN560175 1-G07-44	0.5750	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.3025	GEN562017 1-G11_022_3	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49684	104.2921	PITTSBURG - SEMINOLE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.2813	GEN560121 1-G08-47	0.5750	
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	104.2781	GEN337041 1-GERALD ANDRUS		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.2773	GEN523461 1-BLACKHAWK GEN #1		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.2772	GEN523462 1-BLACKHAWK GEN #2		
FDNS	01G11_024		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49945	104.272	GEN562010 1-G11_024_3	0.6900	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49713	104.269	CIMARRON - DRAPER LAKE 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.268	GEN527162 1-MUSTANG GEN #2		
FDNS	01G11_024		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49945	104.2514	GEN560282 1-G08-19	0.6000	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4986	104.2133	DELAWARE - NORTHEAST STATION 345KV	CKT 1	
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.493	104.1911	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4981	104.178	NORTHWEST (NORTWST2) 345/138/13.8KV	TRANSFORMER	CKT 1
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.1744	GEN562020 1-G11_021_3	0.6900	
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	104.1487	GEN501813 1-RODEMACHER UNIT 3		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.4991	104.0559	GEN527161 1-MUSTANG GEN #1		
FDNS	02ALL		0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49393	104.0417	GEN509403 1-PIRKEY GENERATION		
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.49481	103.9537	GRACEMONT - MINCO 345KV	CKT 1	
FDNS		1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	345KV	CKT 1	1195	0.48792	103.9294	ARCADIA - NORTHWEST 345KV	CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.9252	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.8934	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.8808	GEN520947 1-HUGO1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.8424	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.8421	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.8338	GEN338388 1-1PLUMPT 23.000
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.8331	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.8074	GEN509416 1-TURK GENERATION
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.7504	GEN336831 1-BAXTER WILSON SES
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.493	103.7333	SPP-SWPS-02
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.493	103.7327	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.493	103.7288	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.7212	GEN514806 1-SOONER UNIT 2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.7128	GEN515364 1-CENT 11 0.6000
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.6861	GEN560180 1-G07-51 0.6000
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49715	103.6783	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.6247	GEN526331 1-JONES GEN #1 22 KV
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.6213	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.5919	GEN501812 1-RODEMACHER UNIT 2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.554	GEN335206 1-NELSON UNIT 6
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.493	103.4681	SPP-SWPS-02A
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.4387	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.3888	GEN515226 1-MUSKOGEE 6G
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.356	GEN531447 1-HOLCOMB GENERATOR
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.3527	GEN335204 1-NELSON UNIT 4
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49715	103.3179	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.2987	GEN334440 1-SABINE UNIT 4
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49721	103.2919	MINGO - RED WILLOW 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.2138	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.1876	GEN509406 1-WELSH #3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.1875	GEN509404 1-WELSH #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.1875	GEN509405 1-WELSH #2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	103.181	GEN515393 1-OGEWND2G
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49674	103.1038	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49178	103.0961	G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.0898	GEN512688 2-GRDA1 GSU2 22
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49342	103.084	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49477	103.0556	REDBUD - RIVERSIDE STATION 345KV CKT 1
FDNS	2	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49513	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49665	103.0347	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.0288	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	103.0283	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.9966	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49715	102.9556	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.8757	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.8617	GEN336801 1-BAXTER WILSON UNIT #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.8203	GEN334441 1-SABINE UNIT 5
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.785	GEN511839 1-NORTHEASTERN STATION #2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.6882	GEN511840 1-NORTHEASTERN STATION #3
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.675	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.6567	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.6561	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49665	102.6528	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.6264	GEN511841 1-NORTHEASTERN STATION #4
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.5906	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49747	102.5685	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49178	102.449	G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49437	102.4411	GRAY CO 345.00 - SPEARVILLE 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.4378	GEN515450 1-CRSRDW21 34.500
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.4376	GEN560223 1-G07-62-3 0.6900
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.4376	GEN560224 1-G07-62-4 0.6900
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	102.4253	GEN512689 1-GRDA1 GSU1 22
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.3377	GEN560221 1-G07-62-1 0.6900
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	102.3377	GEN560222 1-G07-62-2 0.6900
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49643	102.0633	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49643	102.0153	DEWEY - IODINE 138KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.47878	102.0014	CIMARRON - NORTHWEST 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49615	101.9769	HOLCOMB - SETAB 345KV CKT 1	
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	101.9764	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49603	101.9591	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.9396	GEN336170 1-GULF OXY U4	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.9328	GEN515041 1-SEMINOLE 2G	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49656	101.9291	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49437	101.9118	GRAY CO 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49603	101.8801	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49656	101.8738	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.8334	GEN300006 1-NEW MADRID UNIT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.8262	GEN300007 1-NEW MADRID UNIT 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49617	101.6996	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.6782	GEN515040 1-SEMINOLE 1G	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.5213	GEN334070 1-LEWIS CREEK 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.5028	GEN542956 2-LACYGNE UNIT #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.5017	GEN542955 1-LACYGNE UNIT #1	
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	101.501	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.4963	GEN514911 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.4962	GEN514910 2-REDBUD GEN	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.4917	GEN334071 1-LEWIS CREEK 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49543	101.4796	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49543	101.4489	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.4436	GEN514942 2-REDBUD4G	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.4408	GEN542962 2-IATAN UNIT #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49009	101.4356	CIMARRON - G11-007T 345.00 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.4002	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.3663	GEN501823 1-TECHE UNIT 3	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.3013	GEN334431 1-SABINE UNIT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.3013	GEN334432 1-SABINE UNIT 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.2934	GEN514905 1-REDBUD3S	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.2923	GEN514899 1-REDBUD1S	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.2838	GEN549893 2-SOUTHWEST 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.265	GEN514900 1-REDBUD2S	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49451	101.2589	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.2241	GEN501910 1-ACADIA UNIT ST1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49451	101.2222	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.2051	GEN505432 1-SIKESTON	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.2043	GEN542957 1-IATAN UNIT #1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49346	101.2012	LACYGNE - NEOSHO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.1857	GEN511938 1-OEC STEAM # 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.1757	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49178	101.1724	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49534	101.1276	BENTON - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.1045	GEN334030 1-FRONTIER UNIT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.1045	GEN334031 1-FRONTIER UNIT 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49539	101.095	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.0885	GEN542951 5-HAWTHORN UNIT #5	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.0704	GEN318007 1-5MOROW161 161.00	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49009	101.0636	G11-007T 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.0621	GEN509391 G1-ARSENAL HILL GENS #2 (STALL)	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.0621	GEN509392 G2-ARSENAL HILL GENS #3 (STALL)	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.0501	GEN509393 S1-ARSENAL HILL GENS #4 (STALL)	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48935	101.0425	CIMARRON - MINCO 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	101.0121	GEN560636 1-ASGI-10-06 0.6900	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9863	GEN337428 1-PERVILLE UNIT #1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9863	GEN337430 1-PERVILLE UNIT #3	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9835	GEN337125 6-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9774	GEN541151 3-SIBLEY GENERATING UNIT #3	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9773	GEN645011 1-NEBRASKA CITY 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9719	GEN560623 1-ASGI-10-01 0.6000	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9684	GEN337006 1-DUKE MCADAMS G1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9684	GEN337007 1-DUKE MCADAMS G2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9553	GEN337429 1-PERVILLE UNIT #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9551	GEN337432 1-PERVILLE UNIT #5	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49429	100.9547	CIRCLE - MULLERGEN 230KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49429	100.9511	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.95	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9447	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9446	GEN337008 1-DUKE MCADAMS S1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9442	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9296	GEN547649 1-ASBURY UNIT #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.9136	GEN335203 1-NELSON UNIT 3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49453	100.9106	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49518	100.9041	LAWTON EASTSIDE - SUNNYSIDE 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8899	GEN336944 1-REX BROWN
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8791	GEN336167 1-GULF OXY U1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8791	GEN336168 1-GULF OXY U2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8791	GEN336169 1-GULF OXY U3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8779	GEN501911 1-ACADIA UNIT CT1A
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8779	GEN501912 1-ACADIA UNIT CT1B
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49533	100.8742	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49425	100.859	WRTOD400
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8568	CHILDRESS - LAKE PAULINE 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50759	100.8549	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8531	GEN300003 1-THOMAS HILL UNIT 3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49529	100.8509	CANEYRV7 345.00 - NEOSHO 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.847	GEN515266 1-AES 1G
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.847	GEN515267 1-AES 2G
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49487	100.8455	SPP-MKEC-08
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8384	GEN334392 1-EXXON MOBIL IPP 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8369	GEN335571 1-CARVILLE UNIT #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8368	GEN335570 1-CARVILLE CTG
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8195	GEN335075 1-DYNEGY#1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8195	GEN335076 1-DYNEGY UNIT2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49423	100.8125	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8124	GEN335572 1-CARVILLE STG
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.50759	100.8116	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.8077	GEN645001 1-FORT CALHOUN 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49557	100.798	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49556	100.7923	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	100.7899	GEN562023 1-G11_020_3 0.6900
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	100.7899	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49161	100.7875	G08-127T 345.00 - SOONER 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.7761	GEN338500 1-MCCLELLAN UNIT #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.7754	GEN511837 1-NORTHEASTERN STATION # 1-1A
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.7754	GEN511838 1-NORTHEASTERN STATION # 1-1B
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49452	100.7637	MULLERGREIN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.7633	GEN506752 1-LEBROCK GAS 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49529	100.7436	CANEYRV7 345.00 - LATHAMS7 345.00 345KV CKT 1
FDNS	1	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4991	100.7002	GEN515449 1-CRSRDW11 34.500
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.6679	GEN520812 1-ANADRS5
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49462	100.6645	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49378	100.6643	WEATHERFORD JCT. - WEATHERFORD SOUTHEAST 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.656	GEN514912 2-REDBUD GEN
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.6482	GEN337954 1-LYNCH UNIT #3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.6436	GEN549890 1-SOUTHWEST 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49429	100.6419	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.6338	GEN511851 1-COMANCHE #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.6177	GEN338513 1-BAILEY UNIT #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49498	100.6159	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49464	100.6106	SPP-WEPL-03
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49464	100.6106	SPP-WERE-34
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49464	100.6058	SPP-MKEC-05
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.48935	100.6023	GRACEMONT - MINCO 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.6006	GEN511836 1-NORTHEASTERN STATION #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.5977	GEN335201 1-NELSON UNIT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.5873	GEN560323 1-G10-40 0.6900
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49464	100.5865	SPP-WEPL-03A
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49442	100.5845	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.5788	KIRBY SWITCHING STATION - MCCLELLAN SUB 115KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49462	100.5754	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49378	100.5701	HINTON - WEATHERFORD JCT. 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49442	100.5664	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.5572	GEN338510 1-1S1KNWRI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5572	GEN338511 1-1C7KNWRI	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5551	McCLELLAN SUB - McLEAN RURAL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49457	100.5542	MOORE - PAULINE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5489	GEN334456 1-CONOCO UNIT#1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5457	GEN520811 1-ANADRK4	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49443	100.5438	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5421	GEN546702 1-NM GEN N1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49378	100.5395	Canadian Pump Station - HINTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5125	GEN335202 1-NELSON UNIT 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5092	GEN520813 1-ANADRK6	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5066	GEN503900 1-FITZHUGH CT1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.5013	GEN560645 1-ASGI-10-09 0.6900	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49441	100.4998	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49464	100.4932	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4915	McLEAN RURAL SUB - SHAMROCK 115KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4904	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4903	GEN335612 1-WILLOW GLENN UNIT#2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4872	SHAMROCK (SHAMRCK1) 115/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49529	100.4869	LATHAM57 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4836	SPP-SWPS-T54	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4751	GEN337124 5-LS POWER BATESVILLE	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4611	GEN506749 1-EASTMAN GENERATION A	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49161	100.4542	G08-127T 345.00 - ROSE HILL 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4533	GEN335611 1-WILLOW GLENN UNIT#1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4533	GEN509409 1-WILKES #3	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49292	100.4529	ARKANSAS NUCLEAR ONE - FT SMITH 500KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49384	100.4517	WEATHERFORD TAP - WEATHERFORD WIND FARM 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4513	GEN300016 1-1G1GPDEL 18.000	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4513	GEN300017 1-1G2GPDEL 18.000	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4489	GEN547656 1-STATE LINE UNIT #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4453	GEN511843 1-RIVERSIDE STATION #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49441	100.4429	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49779	100.4297	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4268	SHAMROCK - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4255	GEN532722 1-EVANS ENERGY CENTER UNIT 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4225	GEN509408 1-WILKES #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49121	100.4215	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4179	SHAMROCK (SHAMRCK2) 138/69/14.4KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49456	100.4155	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4121	GEN335137 C4-PPG	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.4065	GEN560687 1-G11-007 0.5750	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49585	100.3998	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49585	100.386	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49503	100.3834	DOVER SW - HENESSEY 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49384	100.3832	WEATHERFORD SOUTHEAST - WEATHERFORD TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49481	100.3718	THISTLE 7 345.00 345/138KV TRANSFORMER CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3714	GEN334467 1-DUPONT UNIT#1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49378	100.3676	Canadian Pump Station - JENSEN ROAD 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3649	GEN511852 1-COMANCHE #2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3576	GEN500915 3-WESTERN KRAFT	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49389	100.3567	CONWAY SUB - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49389	100.3528	NICHOLS STATION - YARNELL SUB 115KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49411	100.3518	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49511	100.3513	OGE3TERM1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49385	100.3505	NORTHEAST STATION - ONETA 345KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49384	100.3436	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3419	GEN335546 3-DOW COGEN	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3416	GEN334335 1-TOLEDO BEND	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3414	GEN521214 1-BLUCAN2 0.6900	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3404	GEN300002 1-THOMAS HILL UNIT 2	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49503	100.3391	HENESSEY - WAUKOMIS 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.334	HOLLIS TAP - WELLINGTON 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49416	100.3298	CARNEGIE - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3291	GEN511853 1-COMANCHE #3	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49462	100.3235	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3214	GEN337102 1-MEPS CLARKESDALE CTG1 (MDEA)	
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7	345.00	0.49393	100.3214	GEN337103 1-MEPS CLARKESDALE CTG2 (MDEA)	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.3214	GEN337105 1-MEPS CLARKESDALE CTG3 (MDEA)
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.3214	GEN337106 1-MEPS CLARKESDALE CTG4 (MDEA)
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49389	100.3175	SPP-SWPS-T53
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.311	GEN336176 1-UNION CARBIDE COGEN GT1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.311	GEN336177 1-UNION CARBIDE COGEN GT2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.3101	CHILDRESS - HOLLIS TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49503	100.3083	WAUKOMIS - WAUKOMIS TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4941	100.3071	G07-48T 230.00 - SWISHER COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49416	100.3035	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49389	100.3023	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2978	GEN335644 1-EXXON UNITS
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49394	100.2965	LAKE PAULINE - RUSSELL 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2946	GEN515443 1-MNCOWND1 34.500
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2931	GEN560169 1-G08-13 0.5750
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49384	100.288	CLINTON NATURAL GAS TAP - WEATHERFORD WIND FARM 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4951	100.2872	EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2795	GEN337054 1-GREENWOOD
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49419	100.2636	CLINTON - G07-32T 138.00 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49395	100.2631	FIELD NORTH - LKFLDXL3 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49398	100.2577	MORISNT4 138.00 - STILLWATER 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49402	100.2508	BROOKLINE - MORGAN 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49419	100.2486	CLINTON - WEATHERFORD 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.247	GEN599891 1-OKLAUN
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2404	GEN506753 1-LEBROCK GAS 2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49403	100.2372	GERALD GENTLEMAN STATION - SWEETWATER 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4938	100.2371	OGE3TERM10
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.4942	100.2346	GRAND ISLAND - MCCOOL 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2297	GEN300001 1-THOMAS HILL UNIT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49419	100.2253	HYDRO - WEATHERFORD 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2241	GEN334458 1-CONOCO UNIT#3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49483	100.2212	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49394	100.2195	MARSHALL - WOODRING 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2156	GEN334282 1-SAM RAYBURN 4
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.215	GEN560118 1-G08-46 0.6900
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49394	100.2117	COTTONWOOD CREEK - MARSHALL 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49433	100.2115	PUTNAM - TALOGA 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2107	GEN549899 5-JAMES RIVER 5
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49438	100.2107	KNOBHILL - SALINE 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49425	100.2081	CANTON - TALOGA 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.2051	GEN335640 1-ENCO
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1995	GEN542954 3-MONTROSE UNIT #3
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49419	100.1976	HYDRO - SICKLES 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49405	100.1974	NUNDRWD - WAYSIDE 230KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49397	100.1941	8DANIEL 500.00 - MCKNIGHT 500KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49433	100.1933	HAMON BUTLER - PUTNAM 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49371	100.1932	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49433	100.193	ARAPAHO - HAMON BUTLER 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49433	100.1878	ARAPAHO - INDUSTRIAL PARK 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1868	OKLAUNION 345KV SWITCHED SHUNT
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49438	100.1866	HELENA TAP - SALINE 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49425	100.1831	CANTON - OKEENE 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1825	GEN506750 1-EASTMAN GENERATION B
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49451	100.1817	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.177	GEN502438 1-DOC BONIN UNIT #2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49426	100.1768	OKEENE - WATONGA SW 69KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1767	GEN502436 1-HARGIS2
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1755	GEN338512 1-1S2KNWRI
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1753	MCLEROY - STILLWATER 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1751	GEN560633 1-ASGI-10-05 0.6900
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1722	GEN318009 1-2MOSEL 69 69.000
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1719	GEN338507 1-1C1KNWRI
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1719	GEN338508 1-1C3KNWRI
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1719	GEN338509 1-1C5KNWRI
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49411	100.1708	RED WILLOW (RD.WILLOW T1) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1703	GEN542952 1-MONTROSE UNIT #1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49419	100.1679	CIMARRON - EL RENO 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49433	100.1614	CORDELL - INDUSTRIAL PARK 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49401	100.1598	LAKEOVER - MCADAMS 500KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49401	100.1589	A143
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49371	100.1576	JENSEN ROAD - JENSEN TAP 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.156	GEN505482 1-BEAVER
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49401	100.1512	7LUTESVIL 345.00 - 7ST FRANC 345.00 345KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1471	GEN505616 1-BROKEN BOW
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49393	100.1463	GEN503305 1-CITY OF HOUMA SUB
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49402	100.1432	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1
FDNS	02ALL	0	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.49389	100.1382	EL PASO - FARBER 138KV CKT 1
FDNS	02ALL	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.52123	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.52123	103.7792	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.45746	114.0742	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	02ALL	2	12G	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.41533	130.2276	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_024	2	12G	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.42033	148.2116	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_024	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.46346	131.1266	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01G11_024	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.52684	121.1249	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_024	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.52684	121.1249	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01ALL	2	12G	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.42221	155.4818	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.46544	138.5603	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01ALL	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.32417	107.8074	DBL-THIS-WWR
FDNS	01ALL	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.36982	104.6269	MATTHEWSON 345.00 - WOODRING 345KV CKT 1
FDNS	00G11_024	2	12WP	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.41236	109.4608	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00G11_024	2	17WP	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.41556	105.4119	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	3	2	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52365	100.6852	DBL-WICH-THI
FDNS	2	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.45738	103.6827	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	2	2	12G	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.41507	119.0314	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	1	2	12G	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.4197	137.4671	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	1	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.46279	121.5844	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	1	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2	1195	0.52652	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	12G	G11_024	TO->FROM	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1	1195	0.52652	108.8965	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	3	2	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.52365	100.6852	DBL-WICH-THI
FDNS	03ALL	4	12G	G11_024	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.5109	111.6575	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.57102	100.7783	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	17WP	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.5577	107.197	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12WP	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.55576	109.9621	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	01NR	2	12G	G11_024	FROM->TO	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1	1195	0.55347	128.5224	CIMARRON - MATTHEWSON 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.52239	109.7871	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.51106	117.4066	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	17WP	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.49777	121.8956	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12WP	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.49629	126.2686	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2	12G	G11_024	TO->FROM	CIMARRON - MATTHEWSON 345.00 345KV CKT 1	956	0.49381	144.6544	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.06348	112.555	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.06348	110.3883	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.0615	103.1276	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.0615	101.1441	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.05897	110.2888	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.05897	108.1452	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	FROM->TO	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1	493	0.05713	101.0189	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04894	108.3149	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04894	108.3149	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04844	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04844	107.3059	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04795	110.788	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04795	110.788	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04745	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04745	109.8855	MATTHEWSON 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04579	102.8385	DBL-THIS-WWR
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04496	101.744	DBL-THIS-WWR
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04457	107.3157	DBL-THIS-WWR
FDNS	00NR	2	12WP	G11_024	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04431	100.9436	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04419	128.885	DBL-THIS-WWR
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04373	106.3503	DBL-THIS-WWR
FDNS	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.04344	127.4632	DBL-THIS-WWR
FDNS	01NR	2	12G	G11_024	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.04121	100.5956	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03946	131.2975	DBL-WICH-THI
FDNS	00NR	2	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03944	114.0576	DBL-WICH-THI
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0393	122.1195	IODINE - WOODWARD EHV 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING	CONTINGENCY
							(MVA)	TDF		
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0393	120.5609	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03896	118.3819	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03893	139.1518	DBL-WICH-THI
FDNS	00NR	2	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03888	101.7852	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03888	100.8847	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	3	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03873	112.6897	DBL-WICH-THI
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03872	129.5966	DBL-WICH-THI
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03866	124.1512	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03866	122.6284	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03837	120.3931	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03837	118.8314	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	3	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03827	116.9643	DBL-WICH-THI
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03819	137.5802	DBL-WICH-THI
FDNS	00NR	3	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03798	100.4505	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03787	102.662	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	2	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03787	101.7884	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03771	122.5975	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03771	121.0774	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03716	130.4868	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03716	110.4437	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	3	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03701	101.2966	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00NR	3	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03701	100.4266	DEWEY - IODINE 138KV CKT 1
FDNS	00NR	2	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0369	106.4336	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03649	133.6272	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03649	114.1256	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03636	129.0135	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03636	109.0016	WOODWARD - WOODWARD 69KV CKT 1
FDNS	00NR	3	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03613	105.2939	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03604	107.1332	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03592	100.3586	MATTHEWSON 345.00 - NORTHWEST 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03569	132.2942	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03569	112.7924	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0356	108.0516	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03531	105.9487	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03502	108.5794	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03488	106.7125	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	107.9249	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	107.9228	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	107.9209	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	106.5698	SPP-SWPS-02A
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	103.9809	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	103.9755	SPP-SWPS-02
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03478	103.9638	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03467	105.8999	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03457	101.9042	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03457	101.7029	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03451	102.7495	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03451	102.7495	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0343	110.5774	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0343	101.1428	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0343	100.5371	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03419	106.9489	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	110.3114	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	110.3101	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	109.7109	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	108.978	SPP-SWPS-02A
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	106.08	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	106.0771	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03409	106.0748	SPP-SWPS-02
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	106.5196	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	106.5181	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	106.4959	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	105.1613	SPP-SWPS-02A
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	102.5775	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	102.5718	SPP-SWPS-02
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03399	102.5567	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03393	105.6541	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03389	110.3708		WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03385	104.1523		BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03385	104.0283		BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0338	101.3931		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.0338	101.3931		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03379	100.4691		BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03379	100.2656		BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03378	106.2893		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03378	106.2893		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03376	104.2328		WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03347	108.9006		LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	109.1826		ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	109.1811		ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	108.575		GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	107.8473		SPP-SWPS-02A
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	104.9422		STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	104.9387		STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03329	104.9371		SPP-SWPS-02
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03322	107.8483		GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03318	104.2949		GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03308	100.4533		BENTON - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03307	105.0456		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03307	105.0456		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03307	103.0187		BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03307	102.8928		BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03295	108.7926		WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	131.0734		GEN520998 1-MORLND3
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	128.8051		GEN520997 1-MORLND2
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	107.7137		BASE CASE
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	102.148		GEN514805 1-SOONER UNIT 1
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	101.5533		GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	100.9278		GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	100.7199		GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	100.4647		GEN560180 1-G07-51 0.6000
FDNS	00NR	2	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03292	100		GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	2	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0327	103.9448		GEN520998 1-MORLND3
FDNS	00NR	2	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0327	102.3964		GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03259	101.8397		POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03259	101.1191		Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03252	102.1823		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03248	101.015		G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03248	100.3347		G08-13T 345.00 - SUMNERCO 345.00 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03247	106.6953		GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03222	129.7931		GEN520998 1-MORLND3
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03222	127.5263		GEN520997 1-MORLND2
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03222	106.2587		BASE CASE
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03222	100.9187		GEN514805 1-SOONER UNIT 1
FDNS	00NR	3	17SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03222	100.2012		GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	128.9034		GEN520998 1-MORLND3
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	126.935		GEN520997 1-MORLND2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	110.7094		BASE CASE
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	103.2397		GEN514805 1-SOONER UNIT 1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	103.1164		GEN560180 1-G07-51 0.6000
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	102.7889		GEN336821 1-GRAND GULF UNIT
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	102.27		GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	102.234		GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	101.5029		GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	101.2471		GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.9897		GEN514806 1-SOONER UNIT 2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.585		GEN501801 1-DOLET HILLS UNIT1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.4105		GEN337652 1-WHITE BLUFF UNIT #1
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.3347		GEN515042 1-SEMINOLE 3G
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.3067		GEN509403 1-PIRKEY GENERATION
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.2713		GEN509416 1-TURK GENERATION
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100.0515		GEN338146 1-INDEPENDENCE UNIT #2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100		GEN337653 1-WHITE BLUFF UNIT #2
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100		GEN338143 1-INDEPENDENCE UNIT #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	00NR	2	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03217	100		GEN511848 1-SOUTHWESTERN STATION #3
FDNS	00NR	3	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03203	102.94		GEN520998 1-MORLND3
FDNS	00NR	3	17WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03203	101.3927		GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03186	100.5531		POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03186	100		G08-13T 345.00 - WOODRING 345KV CKT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03181	101.0908		G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	00NR	2	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0318	104.5187		GEN520998 1-MORLND3
FDNS	00NR	2	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.0318	102.973		GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	127.7308		GEN520998 1-MORLND3
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	125.7636		GEN520997 1-MORLND2
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	109.3872		BASE CASE
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	102.0881		GEN514805 1-SOONER UNIT 1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	101.9766		GEN560180 1-G07-51 0.6000
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	101.4668		GEN336821 1-GRAND GULF UNIT
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	100.9614		GEN336153 1-WATERFORD UNIT#3
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	100.9454		GEN337911 1-ARKANSAS NUCLEAR ONE UNIT #2
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	100.2145		GEN335831 1-RIVERBEND UNIT#1
FDNS	00NR	3	12SP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03147	100		GEN337910 1-ARKANSAS NUCLEAR ONE UNIT #1
FDNS	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03142	129.0876		GEN560180 1-G07-51 0.6000
FDNS	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03142	104.7128		GEN515790 1-FPLWND2
FDNS	01NR	2	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03142	100.9973		GEN520922 1-SLEEPING BEAR
FDNS	00NR	3	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03116	103.4779		GEN520998 1-MORLND3
FDNS	00NR	3	12WP	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.03116	101.9336		GEN520997 1-MORLND2
FDNS	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03079	127.9273		GEN560180 1-G07-51 0.6000
FDNS	01NR	3	12G	G11_024	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.03079	103.5419		GEN515790 1-FPLWND2
FNSL-Blown up		2	0	12G	G11_025		0	0.14057	-		DBL-HTCH-BVR
FNSL-Blown up		2	0	12G	G11_025		0	0.14057	-		DBL-BVR-WWRD
FNSL-Blown up		2	2	12G	G11_025		0	0.14728	-		DBL-HTCH-BVR
FNSL-Blown up		2	3	12G	G11_025		0	0.14615	-		DBL-BVR-WWRD
FNSL-Blown up	01ALL	0	0	12G	G11_025		0	0.1943	-		DBL-THIS-WWR
FNSL-Blown up	02ALL	0	0	12G	G11_025		0	0.16469	-		DBL-WICH-THI
FNSL-Blown up	02ALL	0	0	12G	G11_025		0	0.1388	-		DBL-HTCH-BVR
FNSL-Blown up	02ALL	0	0	12G	G11_025		0	0.1388	-		DBL-BVR-WWRD
FNSL-Blown up	02ALL	0	0	12G	G11_025		0	0.12271	-		DBL-FINY-HOL
FNSL-Blown up	3	0	0	12G	G11_025		0	0.16567	-		DBL-WICH-THI
FNSL-Blown up	06ALL	0	0	12G	G11_025		0	0.04693	-		DBL-HTCH-BVR
FNSL-Blown up	01ALL	0	0	12G	G11_025		1195	0.12868	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	0	12G	G11_025		1052	0.12271	-		FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	0	12G	G11_025		1324	0.26455	-		LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	01ALL	0	0	12G	G11_025		1195	0.12868	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		0	0.16408	-		DBL-WICH-THI
FNSL-Blown up	03ALL	0	0	12G	G11_025		0	0.14191	-		DBL-HTCH-BVR
FNSL-Blown up	03ALL	0	0	12G	G11_025		0	0.14191	-		DBL-BVR-WWRD
FNSL-Blown up	03ALL	0	0	12G	G11_025		1195	0.12257	-		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		717	0.04544	-		MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1195	0.12257	-		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.04717	-		G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	0	0	12G	G11_025		1195	0.04355	-		GEN542962 2-IATAN UNIT #2
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		GEN532722 1-EVANS ENERGY CENTER UNIT 2
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.08204	-		GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1328	0.04777	-		MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.04717	-		G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1328	0.05115	-		HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1324	0.26795	-		LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.03786	-		AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		956	0.03557	-		GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1052	0.26795	-		G05-15T 345.00 - OKLAUNION 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		956	0.04926	-		EMPORIA ENERGY CENTER - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1052	0.26795	-		G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.07096	-		BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	0	0	12G	G11_025		1792	0.07096	-		BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	03ALL	0	0	12G	G11_025		0	0.09439	-		BEAVER CO 345.00 - G11-021T 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	02ALL	2	12G	G11_025		Non Converged Contingency	0	0.15228	-	DBL-WICH-THI
FNSL-Blown up	02ALL	2	12G	G11_025		Non Converged Contingency	0	0.14545	-	DBL-HTCH-BVR
FNSL-Blown up	02ALL	2	12G	G11_025		Non Converged Contingency	0	0.14545	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	2	12G	G11_025		Non Converged Contingency	0	0.11909	-	DBL-FINY-HOL
FNSL-Blown up	02ALL	2	12G	G11_025		Non Converged Contingency	1052	0.11909	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	2	2	12G	G11_025		Non Converged Contingency	0	0.14728	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1195	0.12104	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1195	0.12104	-	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1792	0.04106	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1792	0.03602	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1328	0.04941	-	HOLCOMB - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1328	0.04611	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	717	0.04397	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1792	0.04106	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1051	0.03921	-	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1792	0.07623	-	THISTLE 7 345.00 - WICHITA 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1792	0.07623	-	THISTLE 7 345.00 - WICHITA 345KV CKT 2
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	956	0.03442	-	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	0	0.15245	-	DBL-WICH-THI
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	0	0.13993	-	DBL-HTCH-BVR
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	0	0.13993	-	DBL-BVR-WWRD
FNSL-Blown up	03ALL	2	12G	G11_025		Non Converged Contingency	1324	0.26744	-	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	G11_025		Non Converged Contingency	1052	0.11835	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	02ALL	3	12G	G11_025		Non Converged Contingency	0	0.1514	-	DBL-WICH-THI
FNSL-Blown up	02ALL	3	12G	G11_025		Non Converged Contingency	0	0.14431	-	DBL-BVR-WWRD
FNSL-Blown up	02ALL	3	12G	G11_025		Non Converged Contingency	0	0.11835	-	DBL-FINY-HOL
FNSL-Blown up	02ALL	3	12G	G11_025		Non Converged Contingency	0	0.03251	-	SPP-AEPW-25
FNSL-Blown up	03ALL	3	12G	G11_025		Non Converged Contingency	1792	0.03782	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	3	12G	G11_025		Non Converged Contingency	0	0.14597	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_025		Non Converged Contingency	0	0.15279	-	DBL-WICH-THI
FNSL-Blown up	02ALL	4	12G	G11_025		Non Converged Contingency	0	0.09544	-	DBL-BVR-WWRD
FDNS	01ALL	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21031	137.8095	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19786	136.9326	DBL-THIS-WWR
FDNS	02ALL	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19103	135.5058	DBL-THIS-WWR
FDNS	06ALL	0	12G	G11_025	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.46505	131.0732	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2
FDNS	01ALL	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21031	130.7109	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.21031	129.7536	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	06ALL	0	12G	G11_025	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.46505	128.4194	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER CKT 2
FDNS	06ALL	0	12G	G11_025	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.45444	127.882	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	06ALL	0	12G	G11_025	FROM->TO	TUCO INTERCHANGE (UPDATE DATA) 345/230/13.2KV TRANSFORMER	560	0.45444	126.0401	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20884	115.6398	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_025	TO->FROM	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	1052	0.19832	114.7663	DBL-HTCH-BVR
FDNS	02ALL	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20174	112.6234	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	2	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.19263	112.2028	DBL-THIS-WWR
FDNS	02ALL	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20174	111.6851	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20884	109.5287	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.19103	109.1905	DBL-THIS-WWR
FDNS	1	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20884	108.6944	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	06ALL	0	12G	G11_025	FROM->TO	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER	560	0.29448	104.2515	DBL-BVR-WWRD
FDNS	2	0	12G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.20301	103.0373	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25101	127.0304	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25101	118.5065	G05-15T 345.00 - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25101	117.3381	G05-15T 345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23098	137.7338	DBL-THIS-WWR
FDNS	2	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.25262	106.087	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.23296	112.6262	DBL-THIS-WWR
FDNS	2	2	12G	G11_025	TO->FROM	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	1195	0.2012	118.6835	DBL-WICH-THI
FNSL-Blown up	3	0	12G	G11_027		Non Converged Contingency	0	0.06657	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	0	0.08676	-	DBL-THIS-WWR
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	0	0.07646	-	DBL-FINY-HOL
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	0	0.06589	-	DBL-THIS-CLR
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	0	0.06589	-	DBL-SPRVL-CL
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1052	0.07646	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1052	0.07646	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1793	0.03295	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1793	0.03295	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	559	0.04924	-	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	956	0.05272	-	SUMNERCO 345.00 - WICHITA 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1793	0.03295	-	CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1793	0.03295	-	CLARKCO 7 345.00 - SPEARVILLE 345KV CKT 2	
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	956	0.03907	-	AXTELL - SWEETWATER 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1792	0.04338	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	0	12G	G11_027		Non Converged Contingency	1792	0.04338	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	3	2	12G	G11_027		Non Converged Contingency	0	0.06373	-	DBL-THIS-CLR	
FNSL-Blown up	3	2	12G	G11_027		Non Converged Contingency	0	0.08984	-	ATC_B2_8E2	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	1792	0.04334	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	1792	0.04334	-	THISTLE 7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	1052	0.07589	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	1052	0.07589	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	1793	0.03173	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	1793	0.03173	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	0	0.08668	-	DBL-THIS-WWR	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	0	0.06346	-	DBL-THIS-CLR	
FNSL-Blown up	03ALL	2	12G	G11_027		Non Converged Contingency	0	0.06346	-	DBL-SPRVL-CL	
FNSL-Blown up	3	2	12G	G11_027		Non Converged Contingency	0	0.06373	-	DBL-THIS-CLR	
FNSL-Blown up	3	2	12G	G11_027		Non Converged Contingency	0	0.08984	-	ATC_B2_8E2	
FNSL-Blown up	0	3	12WP	G11_027		Non Converged Contingency	0	0.08594	-	ATC_B2_8E2	
FNSL-Blown up	03ALL	3	12G	G11_027		Non Converged Contingency	1052	0.07543	-	Hitchland Interchange - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_027		Non Converged Contingency	1052	0.07543	-	FINNEY SWITCHING STATION - STEVENSCO 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_027		Non Converged Contingency	1793	0.03094	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 1	
FNSL-Blown up	03ALL	3	12G	G11_027		Non Converged Contingency	1793	0.03094	-	CLARKCO 7 345.00 - THISTLE 7 345.00 345KV CKT 2	
FNSL-Blown up	03ALL	3	12G	G11_027		Non Converged Contingency	0	0.06187	-	DBL-THIS-CLR	
FNSL-Blown up	3	3	12G	G11_027		Non Converged Contingency	0	0.08984	-	ATC_B2_8E2	
FNSL-Blown up	03ALL	4	12G	G11_027		Non Converged Contingency	0	0.04532	-	DBL-THIS-CLR	
FDNS	09G11_027	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	140.4791	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	09ALL	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	140.2841	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	9	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	113.3078	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	09ALLBPSON	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	140.2844	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	09BPSON	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	113.3121	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	09G11_027BPSON	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	140.4848	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	09NR_BPSON	0	12G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1	123.3907	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	

H: Power Flow Analysis (Other Constraints Not Requiring Mitigation)

****The results will be available by request****

I: Group 1 Dynamic Stability Analysis Report

Available upon request

J: Group 2 Dynamic Stability Analysis Report

Available upon request

K: Group 3 Dynamic Stability Analysis Report

Available upon request.